

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021224\
 Data File : BM044063.D
 Acq On : 12 Feb 2024 18:55
 Operator : MA/JU
 Sample : P1187-03
 Misc : MDL-MDL-SOIL-8PPM
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

Quant Time: Feb 13 00:48:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 09 02:42:01 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/14/2024
 Supervised By :mohammad ahmed 02/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	577785	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	2458831	20.000	ng	0.00
39) Acenaphthene-d10	14.551	164	1455035	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	2951678	20.000	ng	0.00
76) Chrysene-d12	21.497	240	2326356	20.000	ng	0.00
86) Perylene-d12	23.897	264	2402278	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	3237805	81.504	ng	0.00
7) Phenol-d6	7.075	99	4230619	83.700	ng	0.00
23) Nitrobenzene-d5	9.075	82	2863104	61.788	ng	0.00
42) 2,4,6-Tribromophenol	16.045	330	1358008	86.201	ng	0.00
45) 2-Fluorobiphenyl	13.174	172	6180583	59.949	ng	0.00
79) Terphenyl-d14	19.945	244	8097265	61.017	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	99556	6.315	ng	98
3) Pyridine	3.787	79	225066	5.407	ng	97
4) n-Nitrosodimethylamine	3.710	42	94678	5.995	ng	# 93
6) Aniline	7.240	93	355119	7.146	ng	99
8) 2-Chlorophenol	7.463	128	248654	5.994	ng	97
9) Benzaldehyde	7.051	77	224296m	8.635	ng	
10) Phenol	7.098	94	315580	6.186	ng	96
11) bis(2-Chloroethyl)ether	7.340	93	259035	6.132	ng	96
12) 1,3-Dichlorobenzene	7.792	146	272562	5.787	ng	96
13) 1,4-Dichlorobenzene	7.939	146	282489	5.950	ng	99
14) 1,2-Dichlorobenzene	8.257	146	268193	5.928	ng	97
15) Benzyl Alcohol	8.151	79	205650	6.249	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.439	45	343822	6.420	ng	98
17) 2-Methylphenol	8.351	107	199936	5.971	ng	96
18) Hexachloroethane	8.975	117	103016	5.795	ng	97
19) n-Nitroso-di-n-propyla...	8.722	70	202257	6.517	ng	98
20) 3+4-Methylphenols	8.681	107	271871	5.899	ng	99
22) Acetophenone	8.734	105	402210	6.444	ng	# 97
24) Nitrobenzene	9.116	77	291837	6.150	ng	97
25) Isophorone	9.639	82	546016	6.120	ng	97
26) 2-Nitrophenol	9.822	139	116021	5.274	ng	97
27) 2,4-Dimethylphenol	9.886	122	192712	6.851	ng	99
28) bis(2-Chloroethoxy)met...	10.133	93	359871	6.236	ng	99
29) 2,4-Dichlorophenol	10.351	162	211920	5.722	ng	96
30) 1,2,4-Trichlorobenzene	10.569	180	241427	5.797	ng	98
31) Naphthalene	10.757	128	819979	6.042	ng	99
32) Benzoic acid	9.957	122	89697	3.165	ng	99
33) 4-Chloroaniline	10.875	127	327923	6.381	ng	98
34) Hexachlorobutadiene	11.033	225	132684	5.566	ng	96
35) Caprolactam	11.645	113	66311	5.564	ng	90
36) 4-Chloro-3-methylphenol	11.998	107	228909	5.708	ng	99
37) 2-Methylnaphthalene	12.369	142	544017	6.018	ng	98
38) 1-Methylnaphthalene	12.586	142	532458	5.995	ng	99
40) 1,2,4,5-Tetrachloroben...	12.733	216	259852	6.144	ng	99
41) Hexachlorocyclopentadiene	12.704	237	124528	6.747	ng	96
43) 2,4,6-Trichlorophenol	12.980	196	158140	5.494	ng	99

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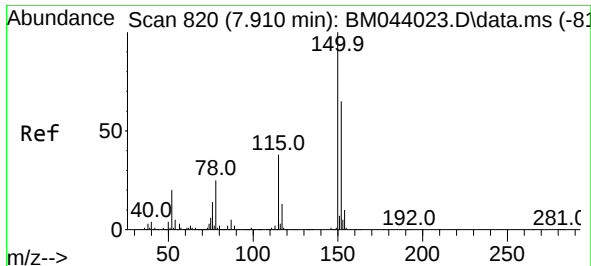
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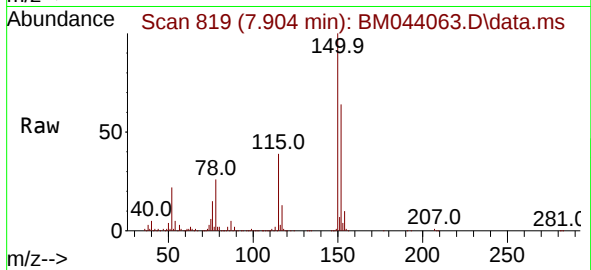
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.045	196	171547	5.431	ng	96
46) 1,1'-Biphenyl	13.386	154	735072	6.402	ng	99
47) 2-Chloronaphthalene	13.427	162	540139	5.939	ng	99
48) 2-Nitroaniline	13.633	65	145854	5.701	ng	86
49) Acenaphthylene	14.268	152	894472	6.592	ng	100
50) Dimethylphthalate	14.016	163	675235	6.259	ng	100
51) 2,6-Dinitrotoluene	14.139	165	131693	5.533	ng	91
52) Acenaphthene	14.616	154	515887	6.143	ng	100
53) 3-Nitroaniline	14.463	138	142234	5.560	ng	92
54) 2,4-Dinitrophenol	14.668	184	46244	8.598	ng	93
55) Dibenzofuran	14.951	168	830689	6.391	ng	99
56) 4-Nitrophenol	14.763	139	100021	4.810	ng	90
57) 2,4-Dinitrotoluene	14.921	165	166219	5.343	ng	93
58) Fluorene	15.598	166	656259	6.534	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.174	232	151274	6.103	ng	99
60) Diethylphthalate	15.380	149	671764	6.025	ng	98
61) 4-Chlorophenyl-phenyle...	15.598	204	313299	6.438	ng	97
62) 4-Nitroaniline	15.627	138	135872	5.277	ng	98
63) Azobenzene	15.892	77	656819	6.279	ng	97
65) 4,6-Dinitro-2-methylph...	15.680	198	73222	4.163	ng	95
66) n-Nitrosodiphenylamine	15.815	169	553186	6.169	ng	100
67) 4-Bromophenyl-phenylether	16.498	248	152791	5.236	ng	99
68) Hexachlorobenzene	16.592	284	208703	5.838	ng	97
69) Atrazine	16.774	200	179966	7.412	ng	98
70) Pentachlorophenol	16.945	266	103550	4.453	ng	98
71) Phenanthrene	17.345	178	984381	6.316	ng	99
72) Anthracene	17.433	178	957756	6.207	ng	100
73) Carbazole	17.709	167	898284	5.986	ng	100
74) Di-n-butylphthalate	18.286	149	1077337	5.523	ng	99
75) Fluoranthene	19.362	202	1033655	5.904	ng	99
77) Benzidine	19.562	184	370401	10.246	ng	98
78) Pyrene	19.727	202	1091075	6.090	ng	99
80) Butylbenzylphthalate	20.650	149	407300	5.114	ng	98
81) Benzo(a)anthracene	21.486	228	979322	6.052	ng	100
82) 3,3'-Dichlorobenzidine	21.427	252	315266	5.938	ng	99
83) Chrysene	21.539	228	920160	6.019	ng	99
84) Bis(2-ethylhexyl)phtha...	21.433	149	623242	5.304	ng	99
85) Di-n-octyl phthalate	22.374	149	914457	4.456	ng	98
87) Indeno(1,2,3-cd)pyrene	26.374	276	936564	5.508	ng	99
88) Benzo(b)fluoranthene	23.168	252	895116	5.961	ng	99
89) Benzo(k)fluoranthene	23.215	252	849673	5.955	ng	100
90) Benzo(a)pyrene	23.785	252	734197	5.597	ng	100
91) Dibenzo(a,h)anthracene	26.403	278	791348	5.564	ng	99
92) Benzo(g,h,i)perylene	27.132	276	756114	5.242	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.904 min Scan# 819
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

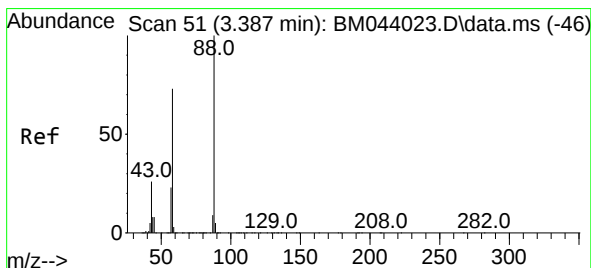
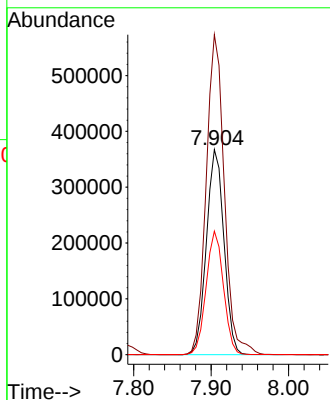
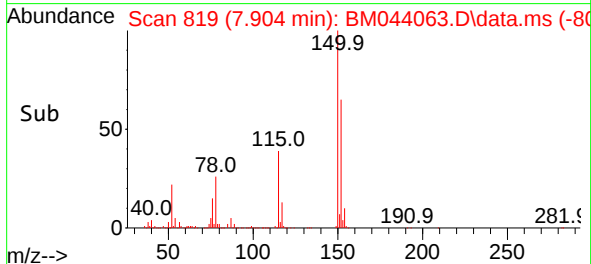
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024



Tgt Ion:152 Resp: 57778
Ion Ratio Lower Upper
152 100
150 156.0 122.7 184.1
115 60.2 47.0 70.6

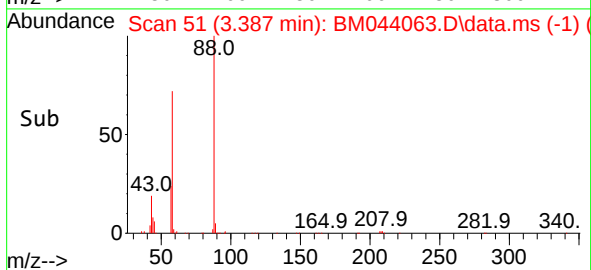
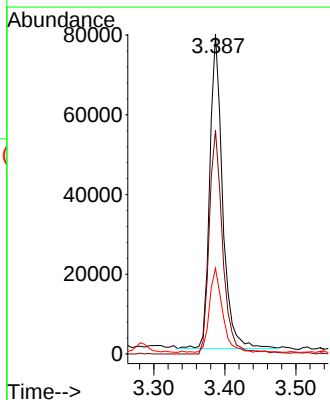
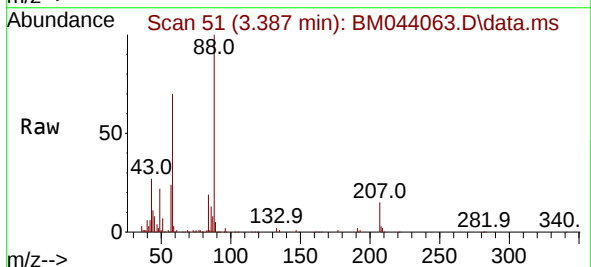
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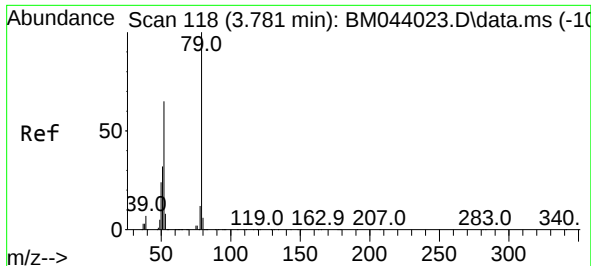
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#2
1,4-Dioxane
Concen: 6.315 ng
RT: 3.387 min Scan# 51
Delta R.T. 0.000 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

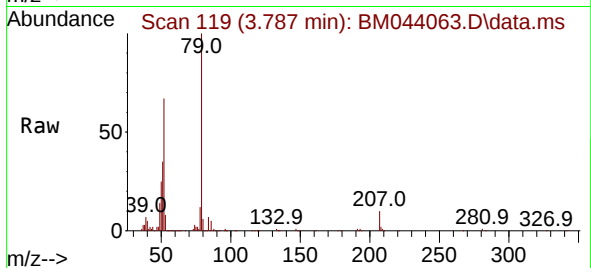
Tgt Ion: 88 Resp: 99556
Ion Ratio Lower Upper
88 100
58 75.0 58.1 87.1
43 26.9 21.1 31.7





#3
Pyridine
Concen: 5.407 ng
RT: 3.787 min Scan# 118
Delta R.T. 0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

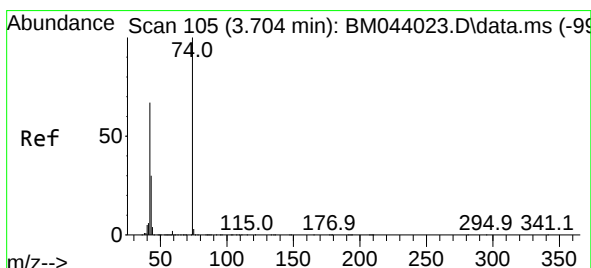
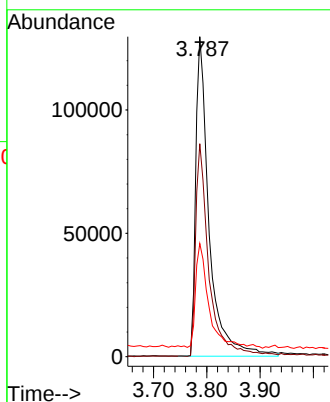
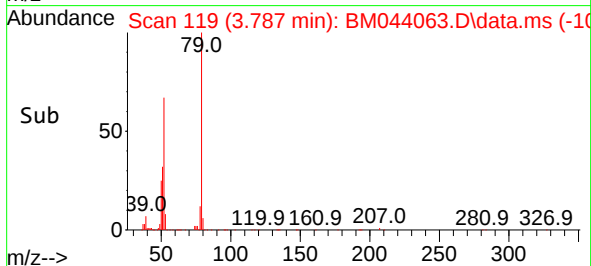
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024



Tgt Ion: 79 Resp: 225060
Ion Ratio Lower Upper
79 100
52 66.5 52.2 78.2
51 35.3 26.2 39.4

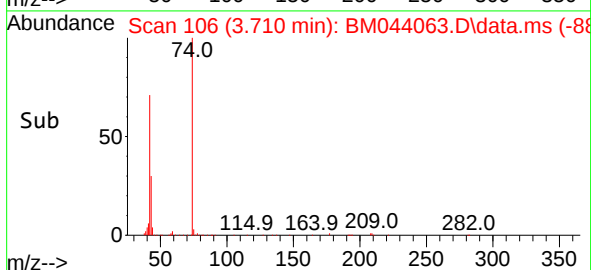
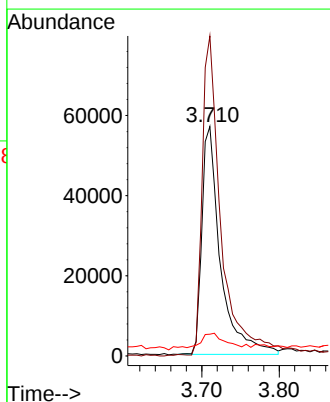
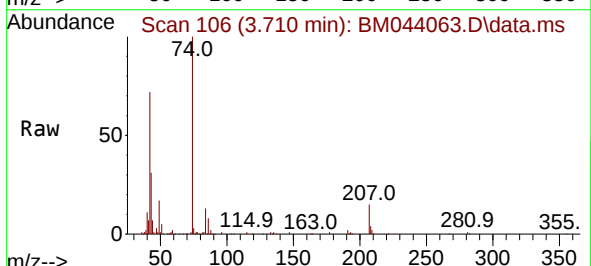
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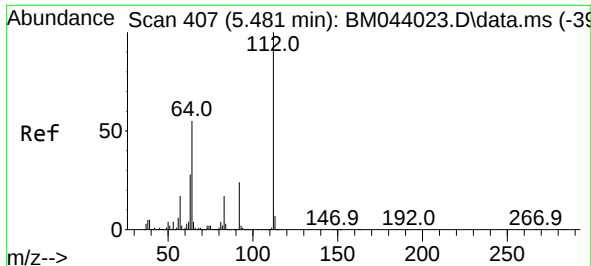
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#4
n-Nitrosodimethylamine
Concen: 5.995 ng
RT: 3.710 min Scan# 106
Delta R.T. 0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion: 42 Resp: 94678
Ion Ratio Lower Upper
42 100
74 139.4 118.6 178.0
44 9.5 5.6 8.4#





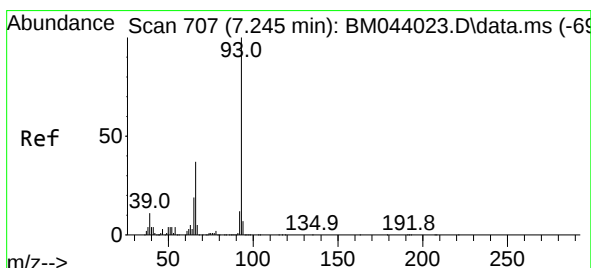
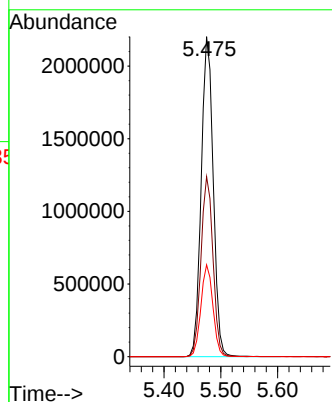
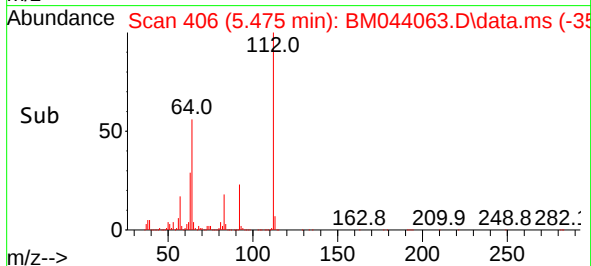
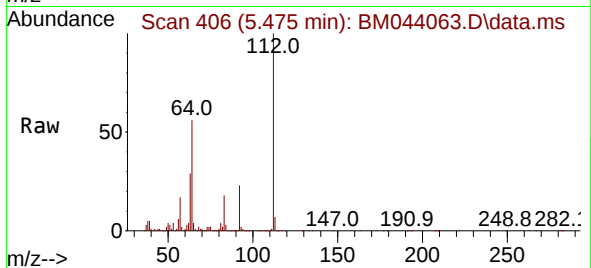
#5
2-Fluorophenol
Concen: 81.504 ng
RT: 5.475 min Scan# 407
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Instrument :
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MDL-SOIL-03-QT1-2024

Tgt Ion:112 Resp: 323780
Ion Ratio Lower Upper
112 100
64 56.2 44.2 66.4
63 28.7 22.6 34.0

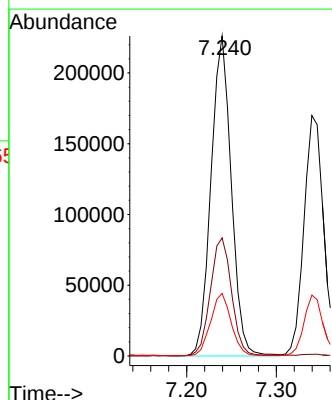
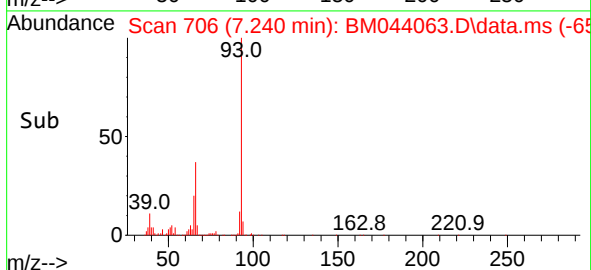
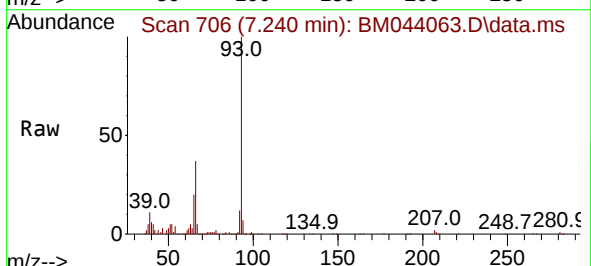
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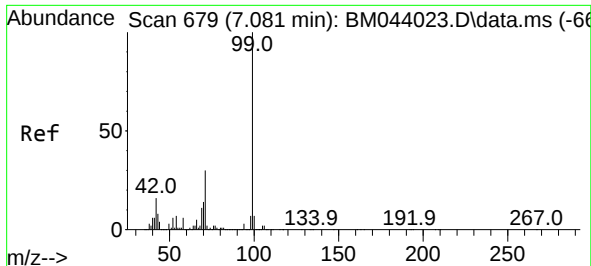
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#6
Aniline
Concen: 7.146 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion: 93 Resp: 355119
Ion Ratio Lower Upper
93 100
66 36.9 29.4 44.0
65 19.5 15.2 22.8





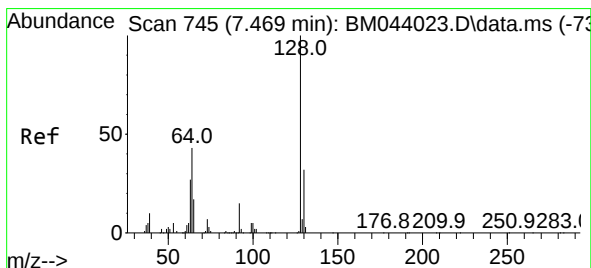
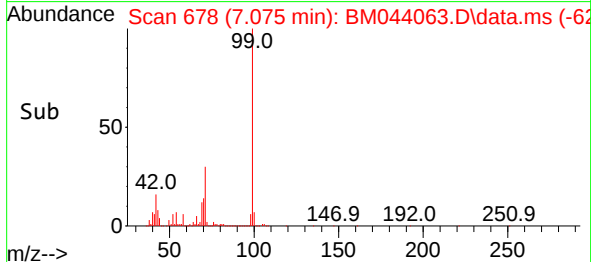
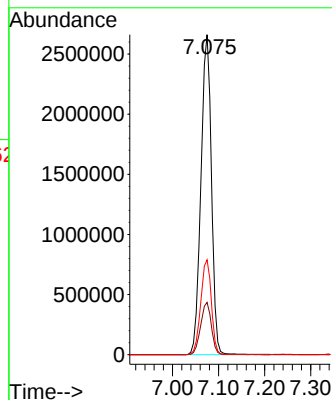
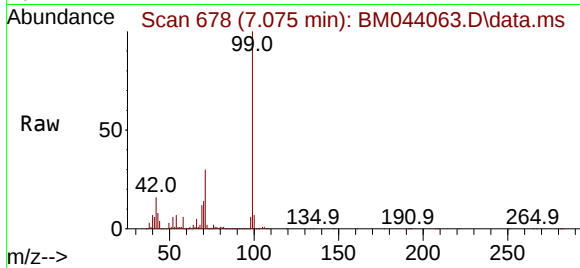
#7
Phenol-d6
Concen: 83.700 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

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Tgt Ion: 99 Resp: 4230619
Ion Ratio Lower Upper
99 100
42 16.4 12.9 19.3
71 29.6 23.9 35.9

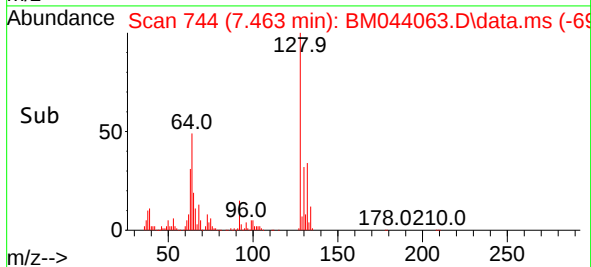
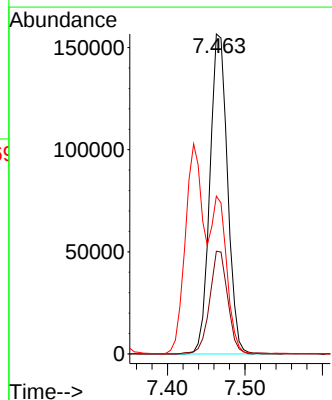
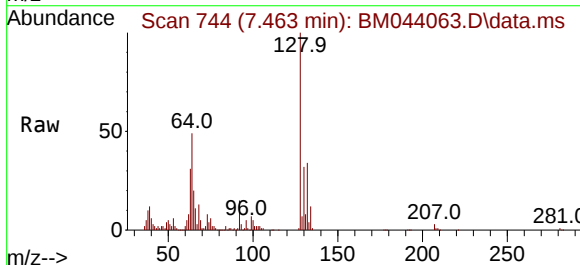
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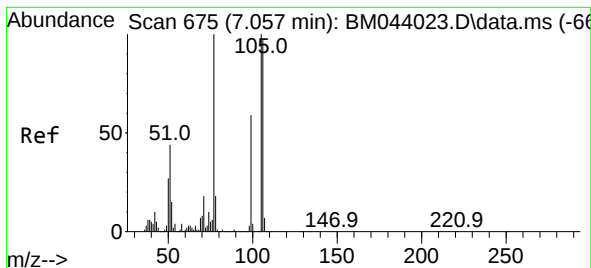
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#8
2-Chlorophenol
Concen: 5.994 ng
RT: 7.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion:128 Resp: 248654
Ion Ratio Lower Upper
128 100
130 32.1 12.1 52.1
64 49.3 26.0 66.0





#9

Benzaldehyde

Concen: 8.635 ng m

RT: 7.051 min Scan# 61

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

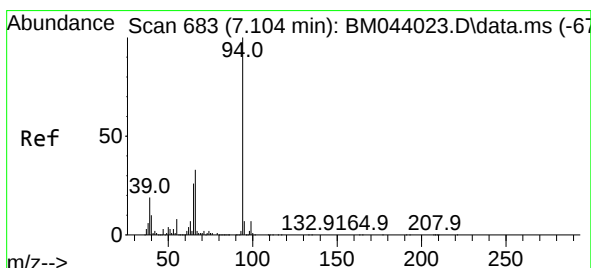
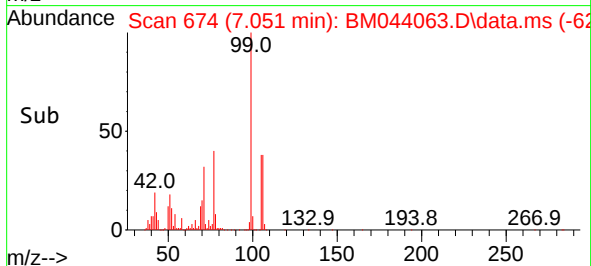
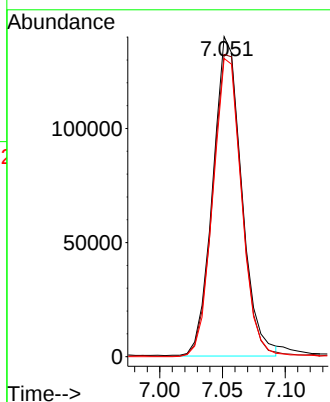
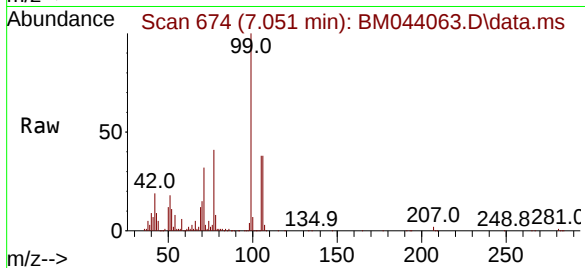
Tgt Ion:	77	Resp:	224290
Ion	Ratio	Lower	Upper
77	100		
105	94.4	80.0	120.0
106	93.2	76.8	116.8

Manual Integrations

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Supervised By :mohammad ahmed 02/14/2024



#10

Phenol

Concen: 6.186 ng

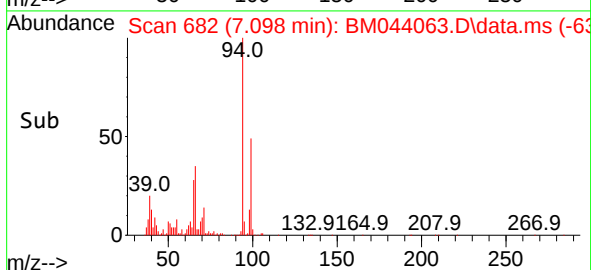
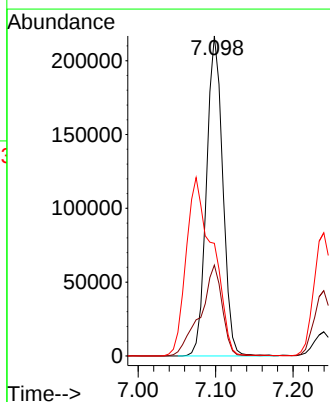
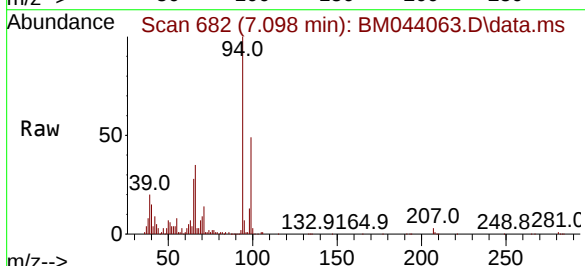
RT: 7.098 min Scan# 682

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

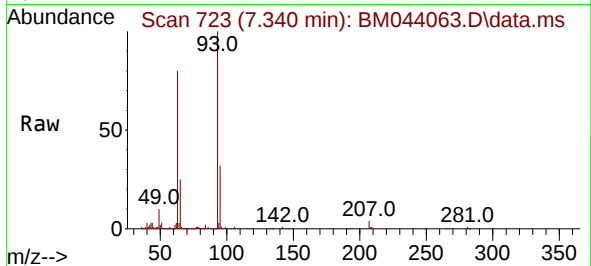
Tgt Ion:	94	Resp:	315580
Ion	Ratio	Lower	Upper
94	100		
65	28.4	6.4	46.4
66	35.2	13.2	53.2





#11
bis(2-Chloroethyl)ether
Concen: 6.132 ng
RT: 7.340 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

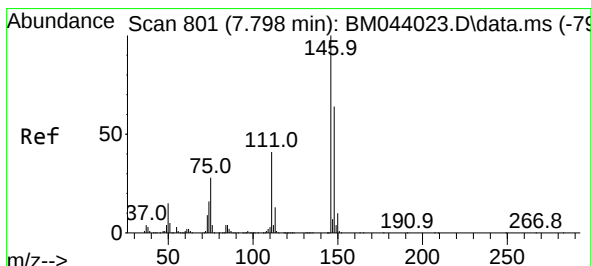
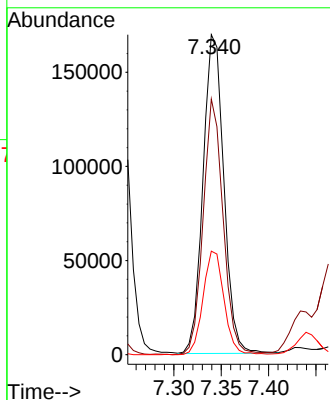
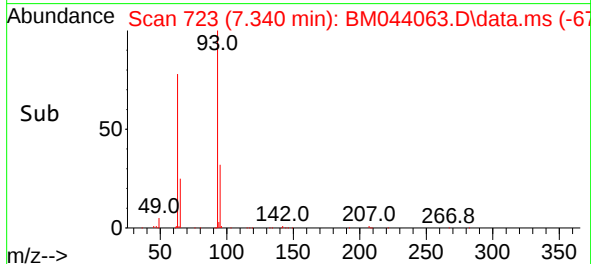
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024



Tgt Ion: 93 Resp: 25903
Ion Ratio Lower Upper
93 100
63 79.9 55.9 95.9
95 32.4 13.0 53.0

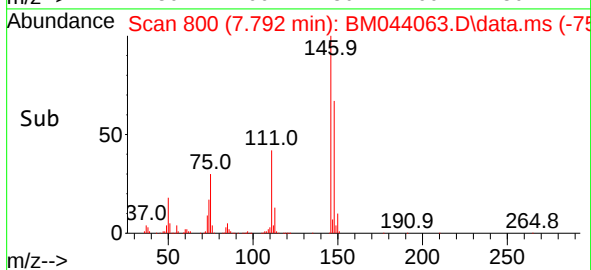
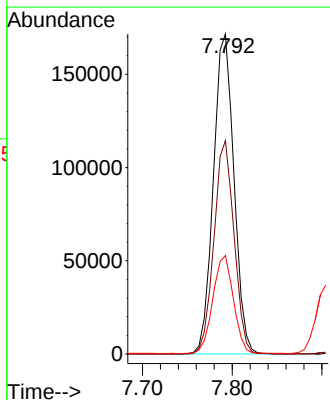
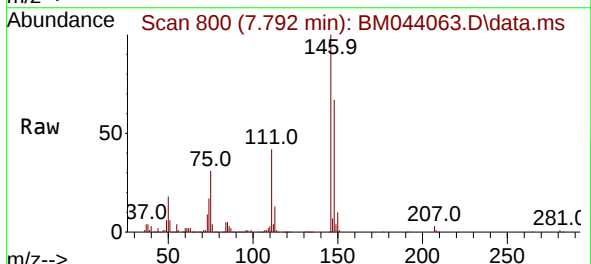
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#12
1,3-Dichlorobenzene
Concen: 5.787 ng
RT: 7.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

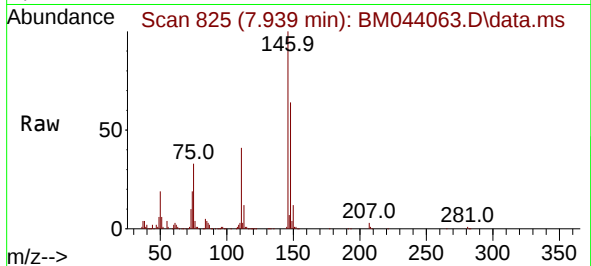
Tgt Ion:146 Resp: 272562
Ion Ratio Lower Upper
146 100
148 66.7 51.3 76.9
75 30.7 22.7 34.1





#13
1,4-Dichlorobenzene
Concen: 5.950 ng
RT: 7.939 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

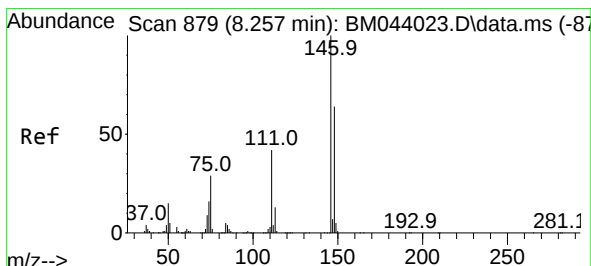
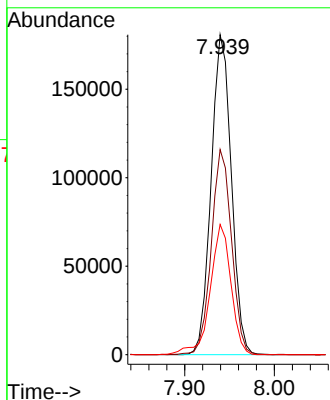
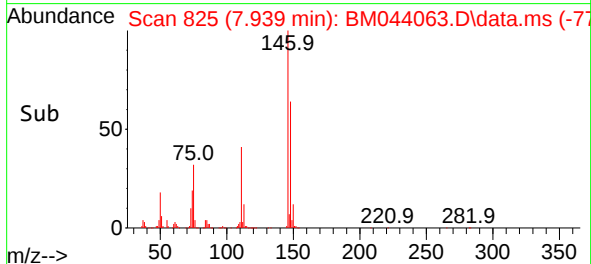
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024



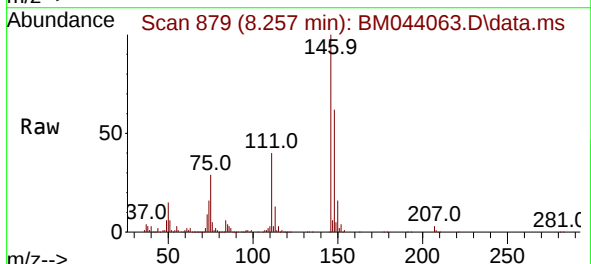
Tgt Ion:146 Resp: 282489
Ion Ratio Lower Upper
146 100
148 64.1 51.2 76.8
111 40.7 31.2 46.8

Manual Integrations
APPROVED

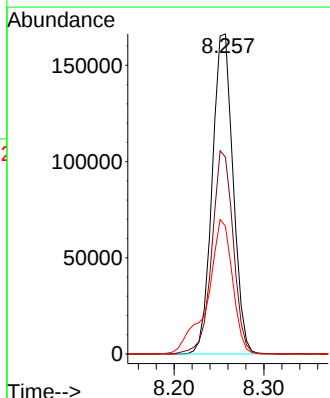
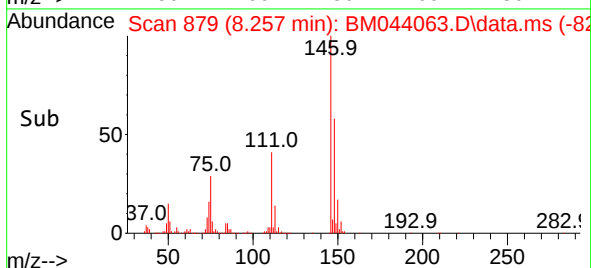
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

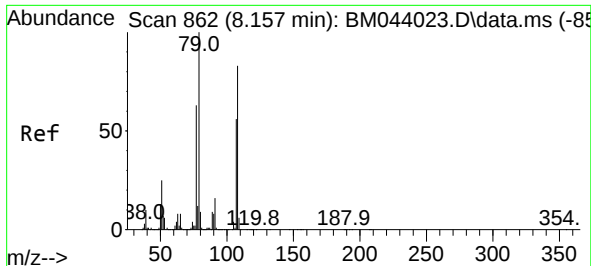


#14
1,2-Dichlorobenzene
Concen: 5.928 ng
RT: 8.257 min Scan# 879
Delta R.T. 0.000 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55



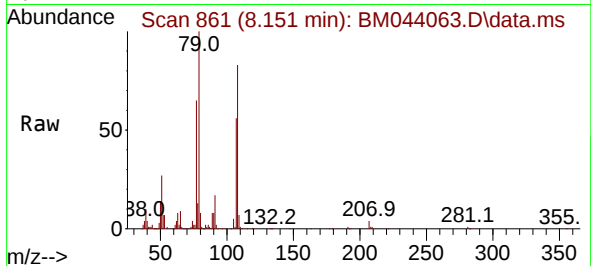
Tgt Ion:146 Resp: 268193
Ion Ratio Lower Upper
146 100
148 61.5 51.4 77.2
111 40.0 33.7 50.5





#15
Benzyl Alcohol
Concen: 6.249 ng
RT: 8.151 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

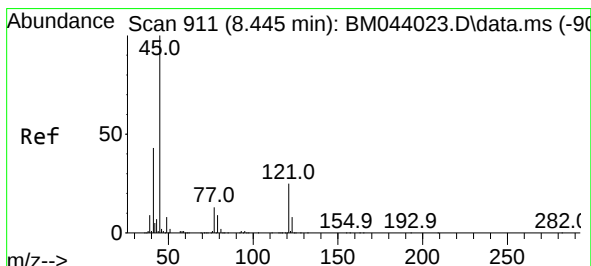
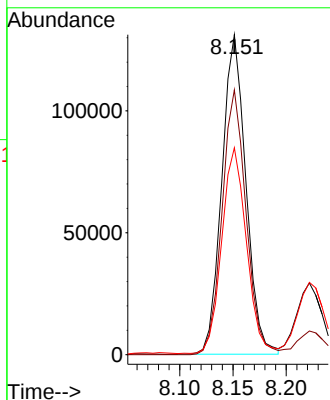
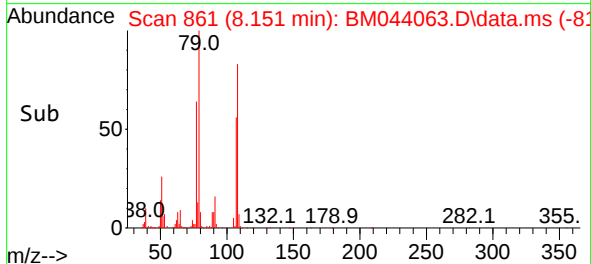
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024



Tgt Ion: 79 Resp: 205650
Ion Ratio Lower Upper
79 100
108 82.8 66.0 99.0
77 64.6 50.4 75.6

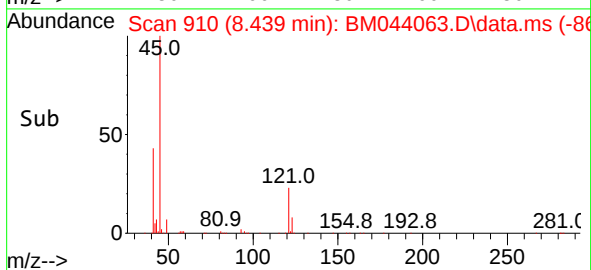
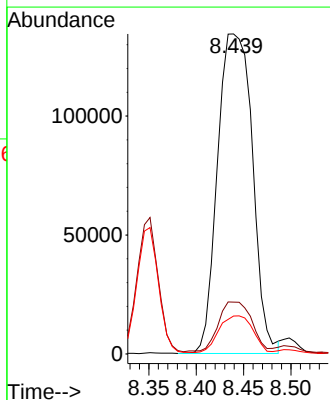
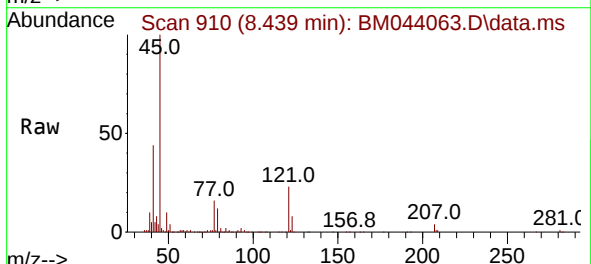
Manual Integrations
APPROVED

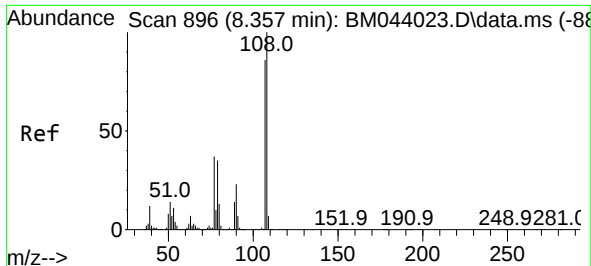
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.420 ng
RT: 8.439 min Scan# 910
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

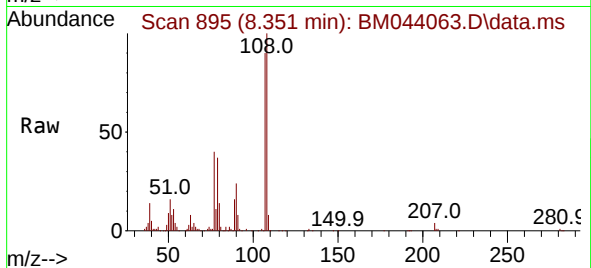
Tgt Ion: 45 Resp: 343822
Ion Ratio Lower Upper
45 100
77 16.2 0.0 35.1
79 11.9 0.0 31.5





#17
2-Methylphenol
Concen: 5.971 ng
RT: 8.351 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

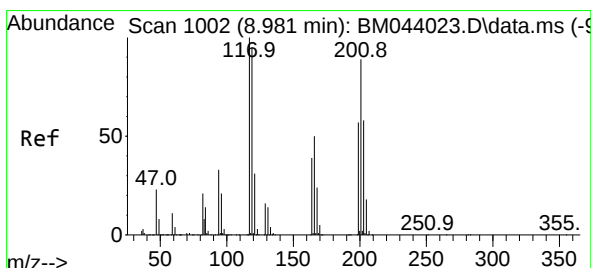
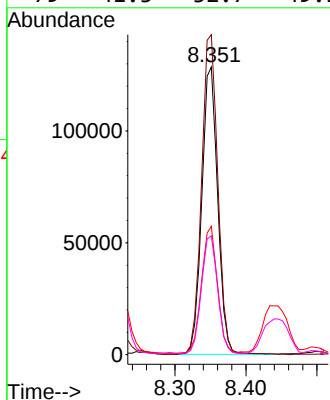
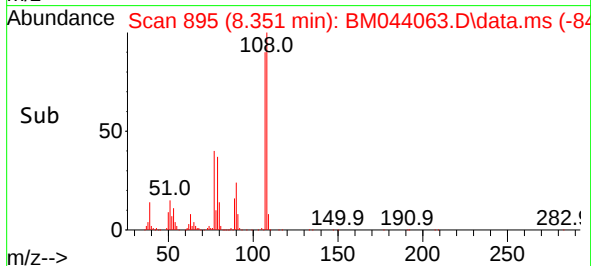
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024



Tgt Ion:	107	Resp:	199930
Ion Ratio	Lower	Upper	
107	100		
108	111.2	93.4	140.2
77	44.6	34.7	52.1
79	41.3	32.7	49.1

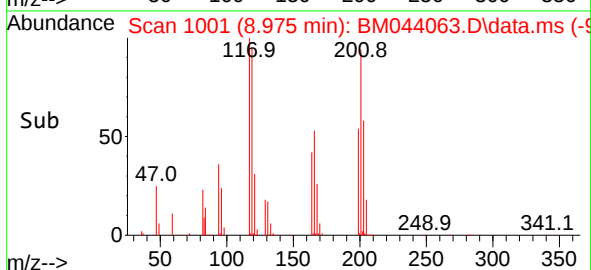
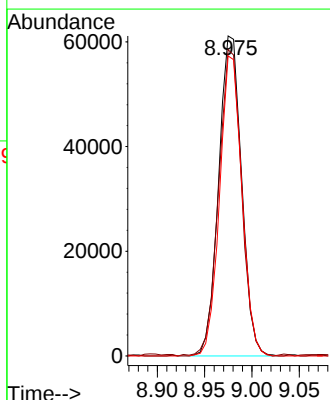
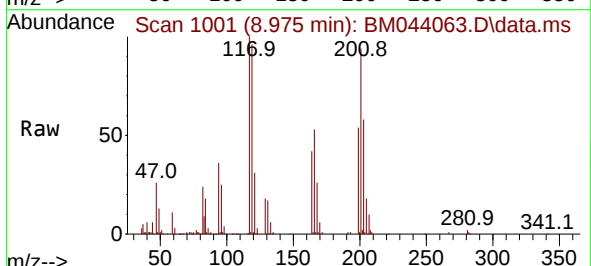
Manual Integrations
APPROVED

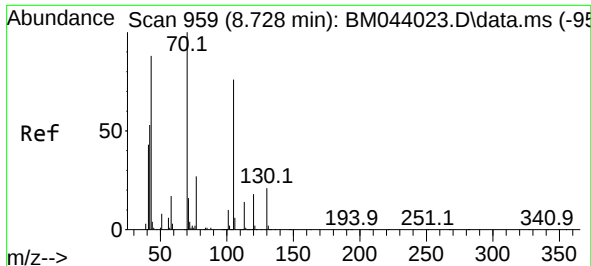
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#18
Hexachloroethane
Concen: 5.795 ng
RT: 8.975 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

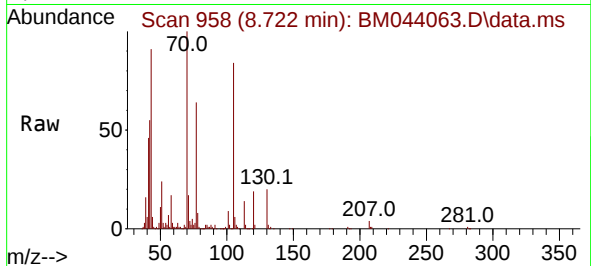
Tgt Ion:	117	Resp:	103016
Ion Ratio	Lower	Upper	
117	100		
119	95.7	75.7	113.5
201	93.8	71.5	107.3





#19
n-Nitroso-di-n-propylamine
Concen: 6.517 ng
RT: 8.722 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

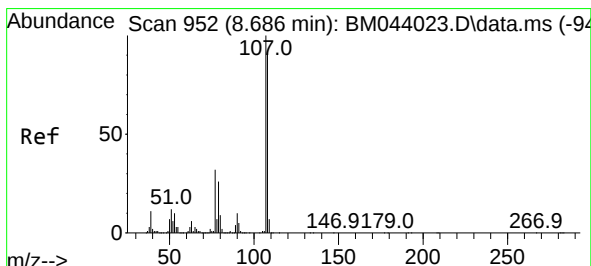
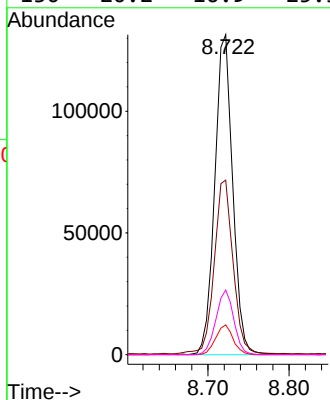
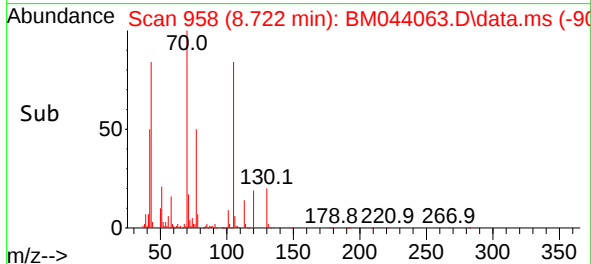
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024



Tgt Ion: 70 Resp: 20225
Ion Ratio Lower Upper
70 100
42 54.6 42.6 64.0
101 9.3 7.8 11.6
130 20.2 16.9 25.3

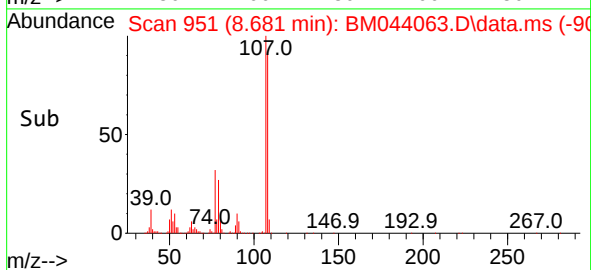
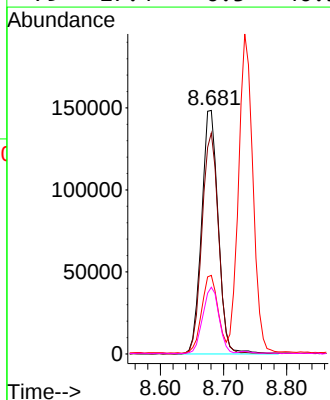
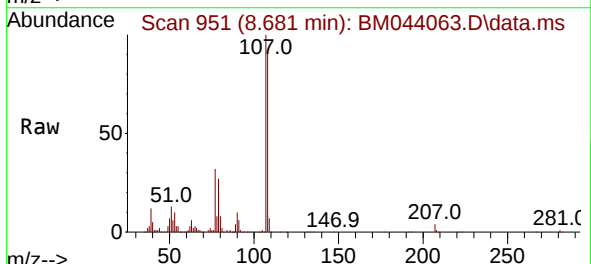
Manual Integrations
APPROVED

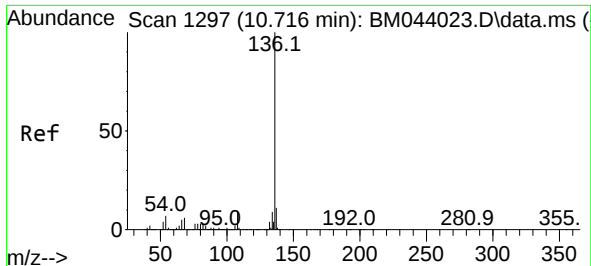
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#20
3+4-Methylphenols
Concen: 5.899 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

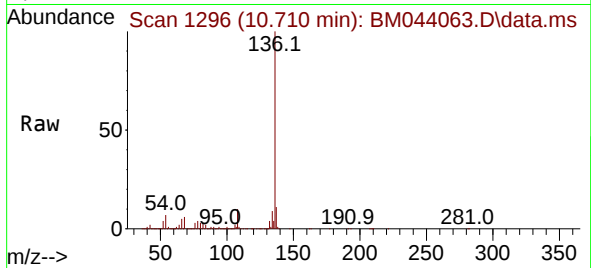
Tgt Ion:107 Resp: 271871
Ion Ratio Lower Upper
107 100
108 90.7 71.5 111.5
77 32.2 11.8 51.8
79 27.4 6.3 46.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

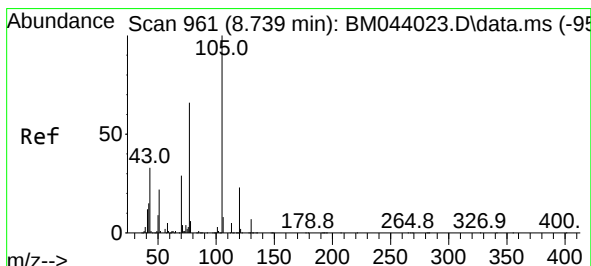
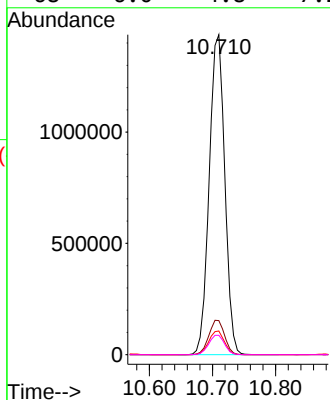
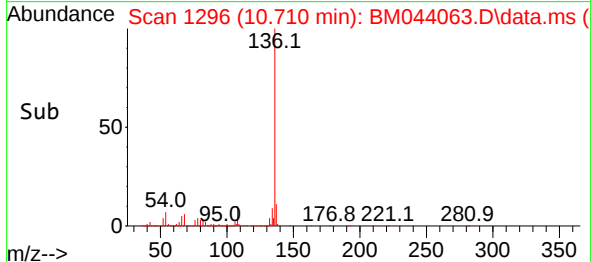
Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT1-2024



Tgt Ion:136 Resp: 245883
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.4 5.9 8.9
68 6.0 4.8 7.2

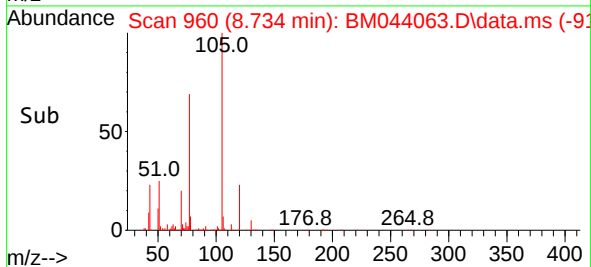
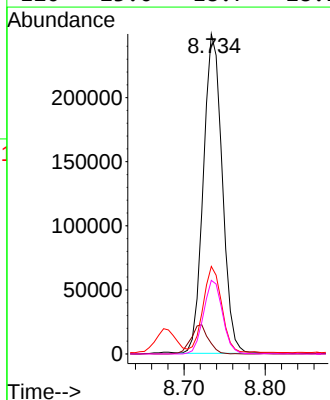
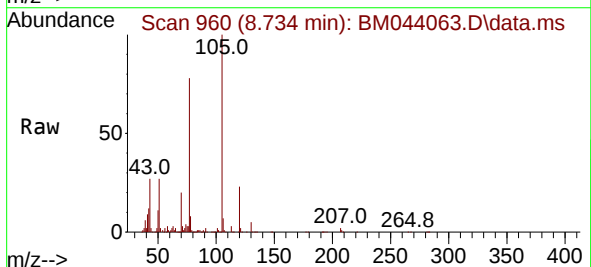
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#22
Acetophenone
Concen: 6.444 ng
RT: 8.734 min Scan# 960
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

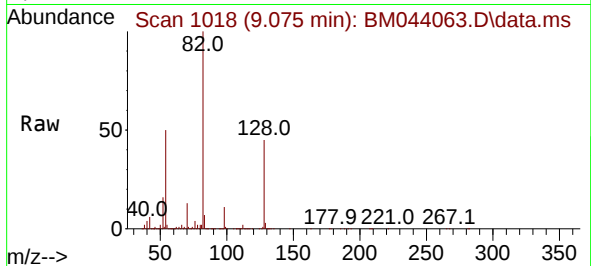
Tgt Ion:105 Resp: 402210
Ion Ratio Lower Upper
105 100
71 3.3 4.0 6.0#
51 27.4 20.1 30.1
120 23.0 18.7 28.1





#23
Nitrobenzene-d5
Concen: 61.788 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

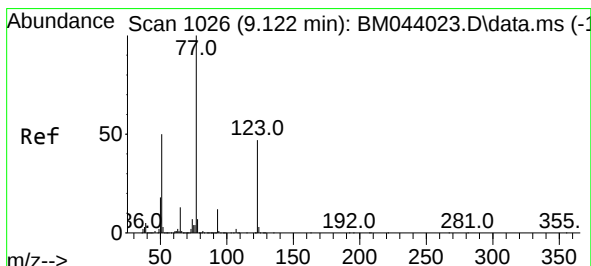
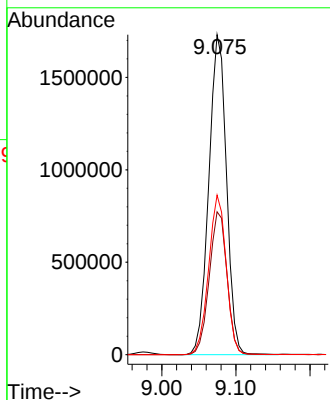
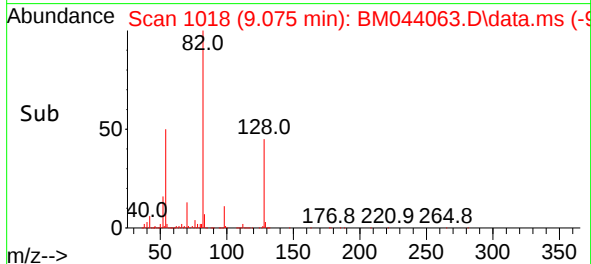
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024



Tgt Ion: 82 Resp: 2863104
Ion Ratio Lower Upper
82 100
128 44.7 37.1 55.7
54 49.9 38.9 58.3

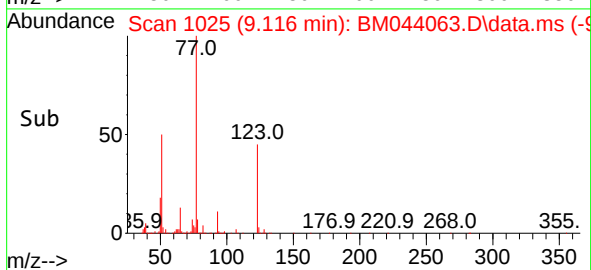
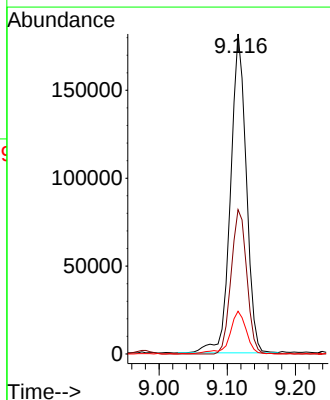
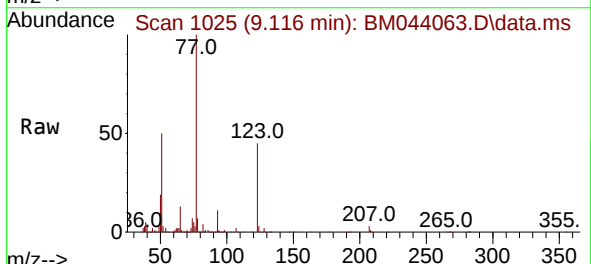
Manual Integrations
APPROVED

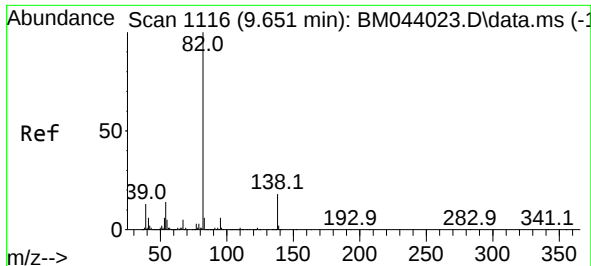
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#24
Nitrobenzene
Concen: 6.150 ng
RT: 9.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

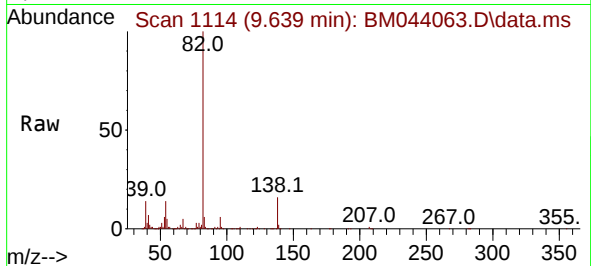
Tgt Ion: 77 Resp: 291837
Ion Ratio Lower Upper
77 100
123 45.1 37.8 56.8
65 13.3 10.5 15.7





#25
Isophorone
Concen: 6.120 ng
RT: 9.639 min Scan# 1114
Delta R.T. -0.012 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

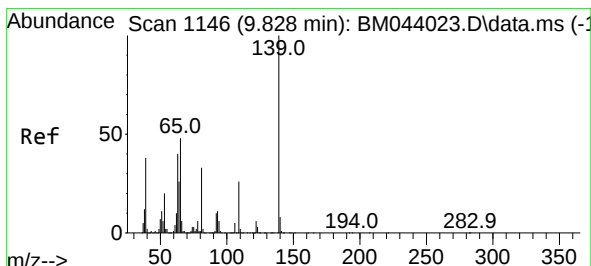
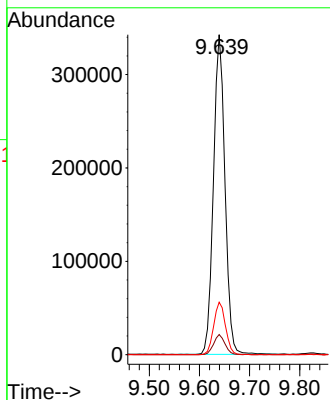
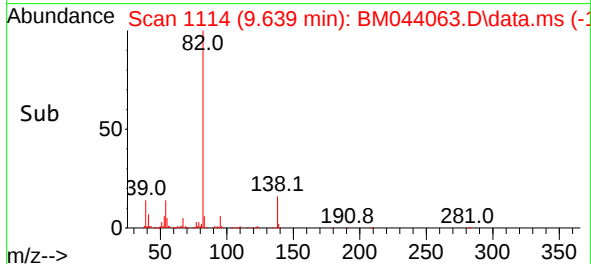
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024



Tgt Ion: 82 Resp: 546010
Ion Ratio Lower Upper
82 100
95 6.3 5.2 7.8
138 16.4 14.3 21.5

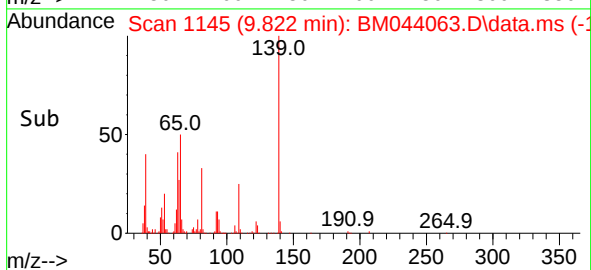
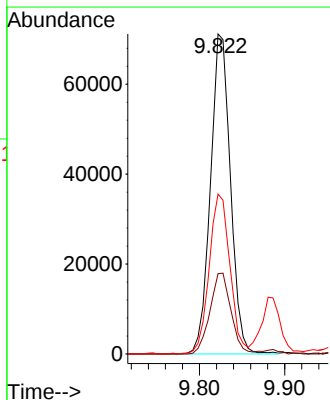
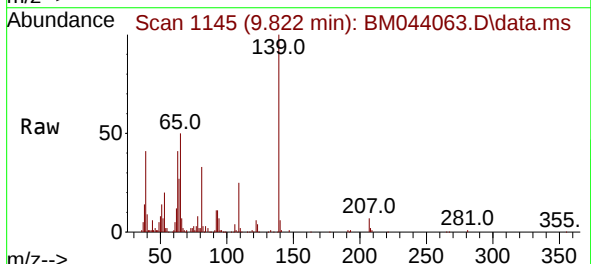
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#26
2-Nitrophenol
Concen: 5.274 ng
RT: 9.822 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

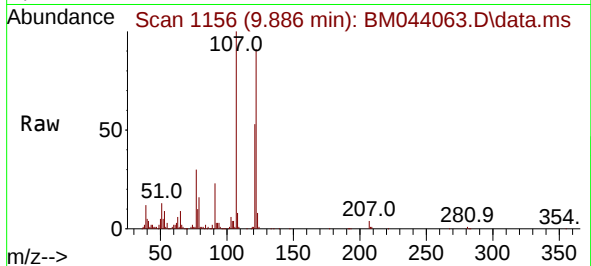
Tgt Ion:139 Resp: 116021
Ion Ratio Lower Upper
139 100
109 25.1 21.2 31.8
65 50.0 38.5 57.7





#27
2,4-Dimethylphenol
Concen: 6.851 ng
RT: 9.886 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

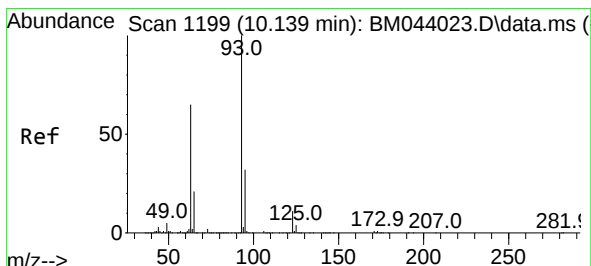
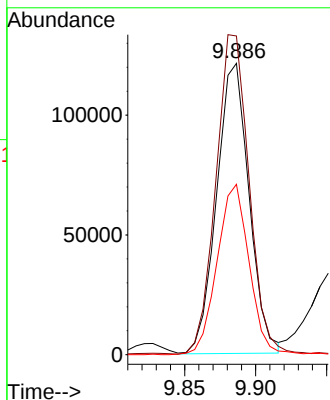
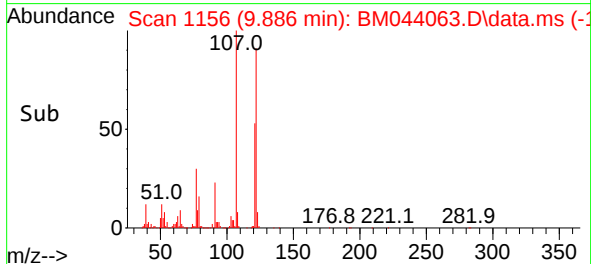
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024



Tgt Ion:122 Resp: 19271
Ion Ratio Lower Upper
122 100
107 109.4 87.8 131.8
121 58.5 44.7 67.1

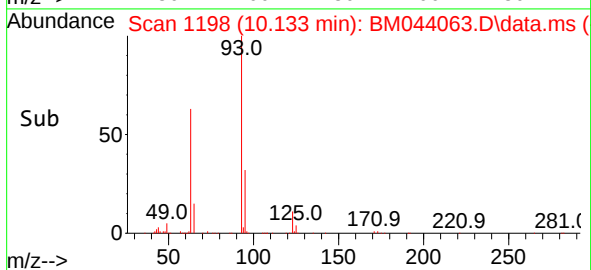
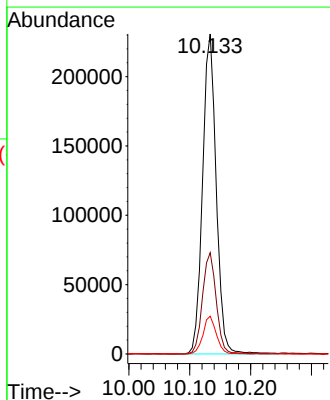
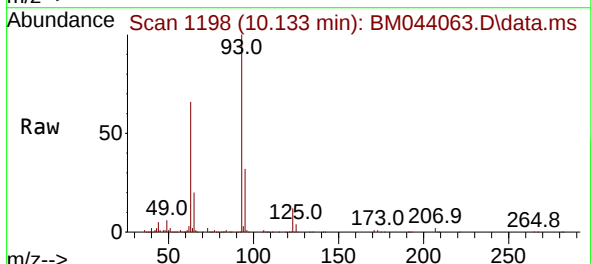
Manual Integrations
APPROVED

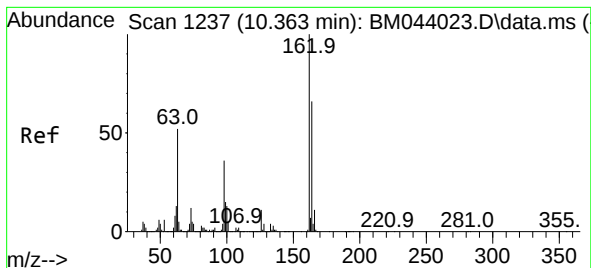
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#28
bis(2-Chloroethoxy)methane
Concen: 6.236 ng
RT: 10.133 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

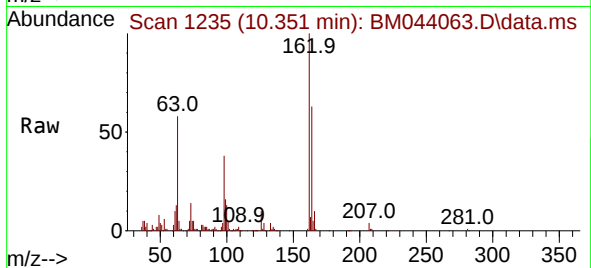
Tgt Ion: 93 Resp: 359871
Ion Ratio Lower Upper
93 100
95 31.6 26.0 39.0
123 11.8 9.2 13.8





#29
2,4-Dichlorophenol
Concen: 5.722 ng
RT: 10.351 min Scan# 1235
Delta R.T. -0.012 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

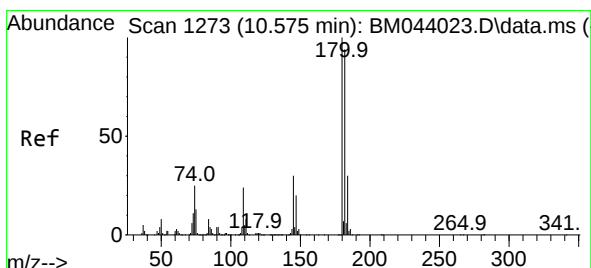
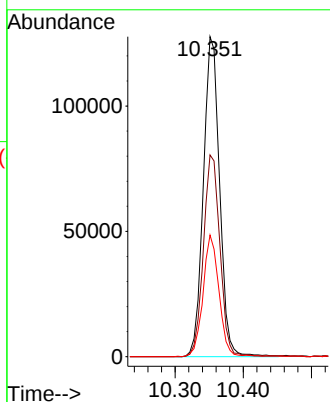
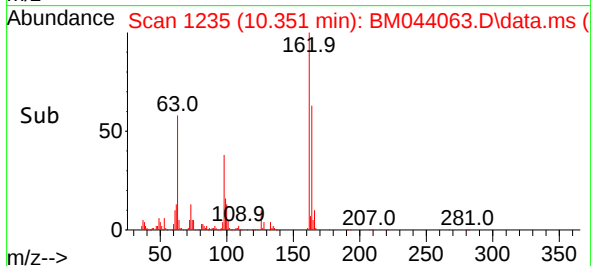
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024



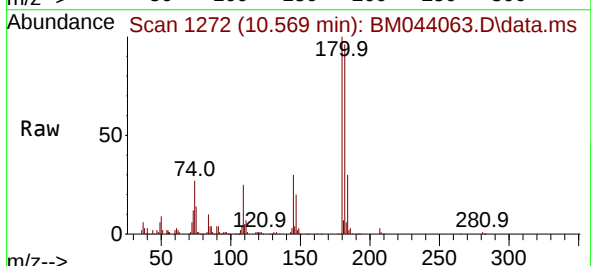
Tgt Ion:162 Resp: 211920
Ion Ratio Lower Upper
162 100
164 63.1 46.1 86.1
98 38.0 15.9 55.9

Manual Integrations
APPROVED

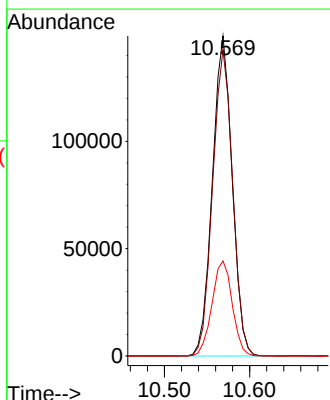
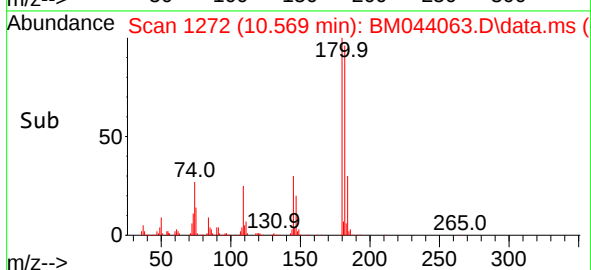
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

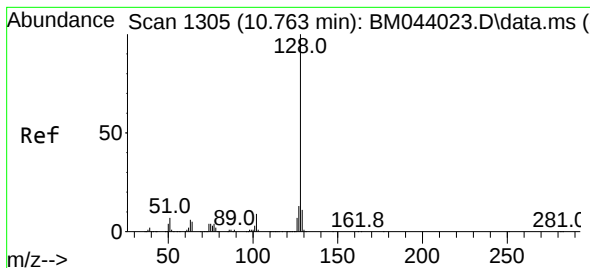


#30
1,2,4-Trichlorobenzene
Concen: 5.797 ng
RT: 10.569 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55



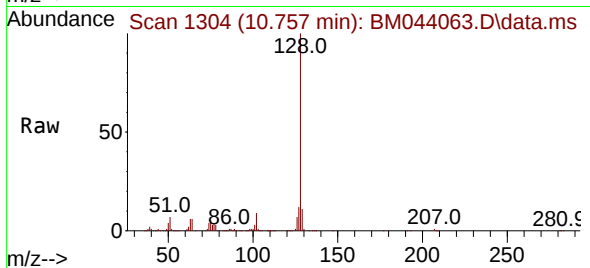
Tgt Ion:180 Resp: 241427
Ion Ratio Lower Upper
180 100
182 95.7 75.2 112.8
145 29.7 24.3 36.5





#31
Naphthalene
Concen: 6.042 ng
RT: 10.757 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

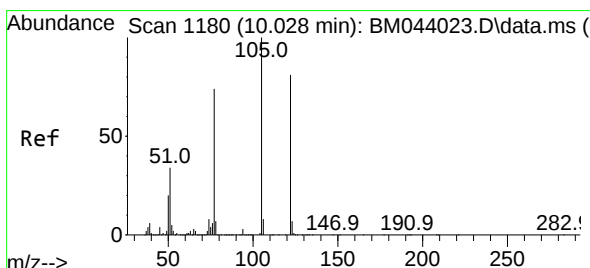
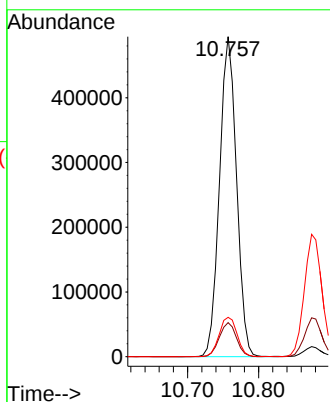
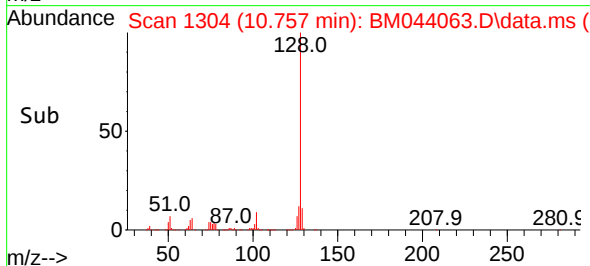
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024



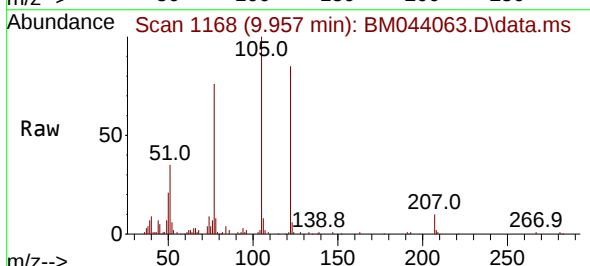
Tgt Ion:128 Resp: 819979
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.4
127 12.3 10.3 15.5

Manual Integrations
APPROVED

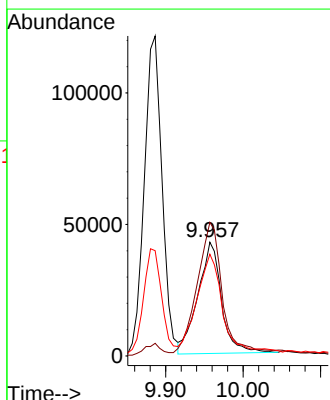
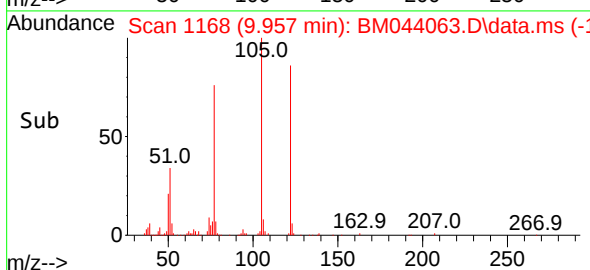
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

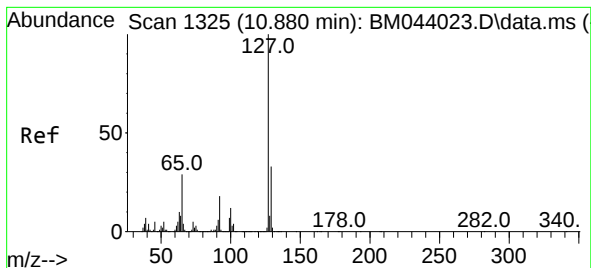


#32
Benzoic acid
Concen: 3.165 ng
RT: 9.957 min Scan# 1168
Delta R.T. -0.071 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55



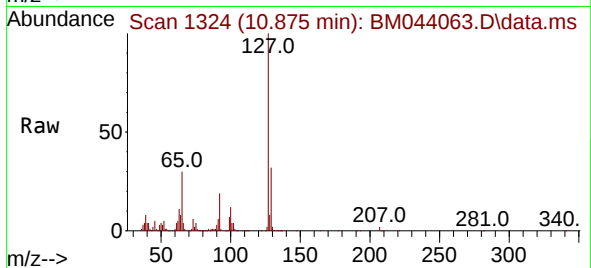
Tgt Ion:122 Resp: 89697
Ion Ratio Lower Upper
122 100
105 117.4 100.1 140.1
77 89.5 69.6 109.6





#33
4-Chloroaniline
Concen: 6.381 ng
RT: 10.875 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

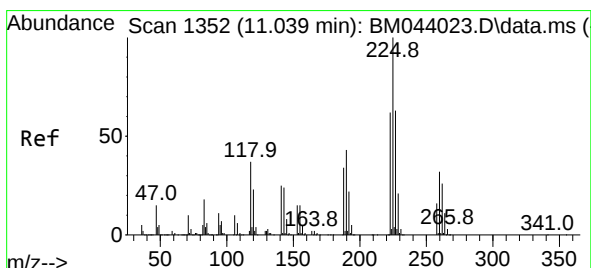
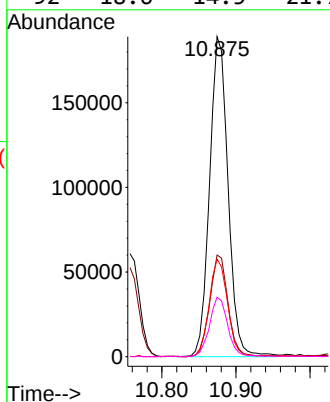
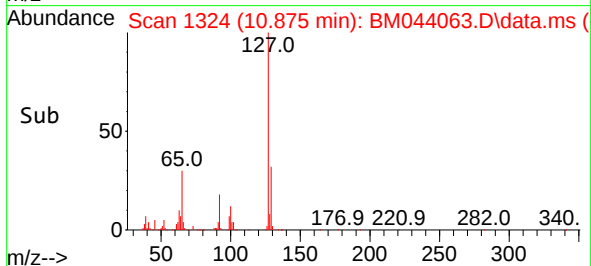


Tgt Ion:127 Resp: 32792

Ion	Ratio	Lower	Upper
127	100		
129	31.8	26.0	39.0
65	30.4	23.0	34.6
92	18.6	14.5	21.7

Manual Integrations
APPROVED

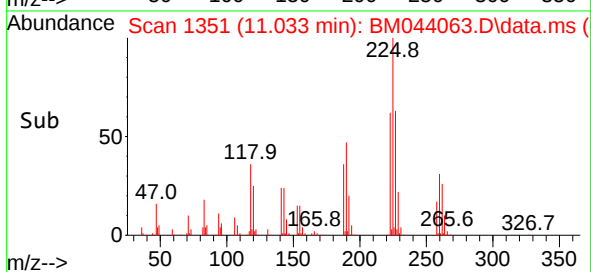
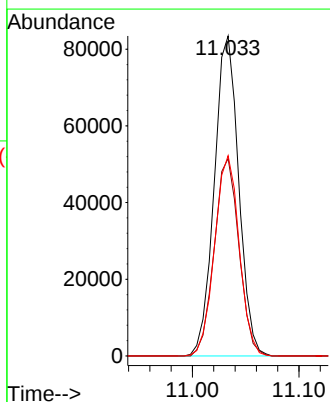
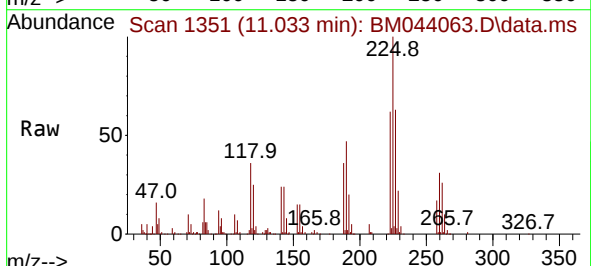
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

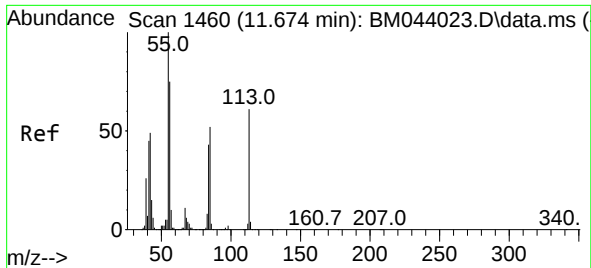


#34
Hexachlorobutadiene
Concen: 5.566 ng
RT: 11.033 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion:225 Resp: 132684

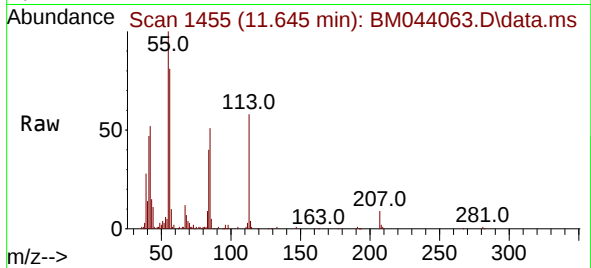
Ion	Ratio	Lower	Upper
225	100		
223	59.1	49.9	74.9
227	59.9	50.6	76.0





#35
Caprolactam
Concen: 5.564 ng
RT: 11.645 min Scan# 1460
Delta R.T. -0.029 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

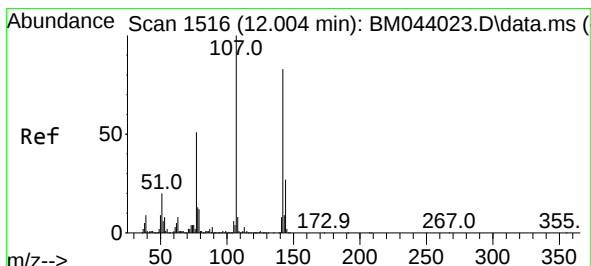
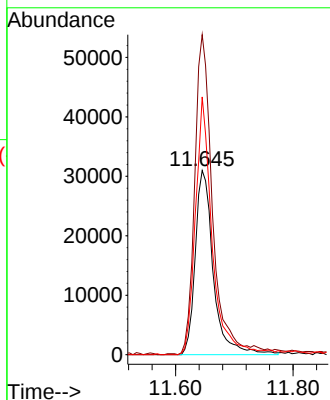
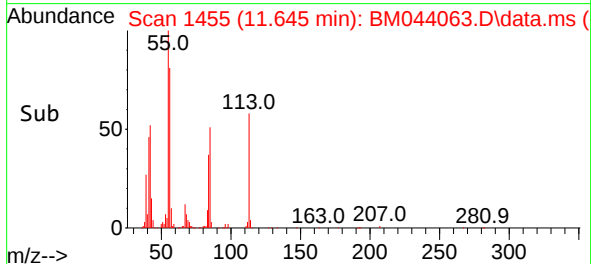
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024



Tgt Ion:113 Resp: 6631
Ion Ratio Lower Upper
113 100
55 173.7 145.6 185.6
56 140.0 103.3 143.3

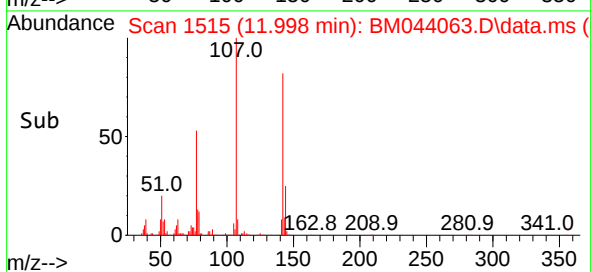
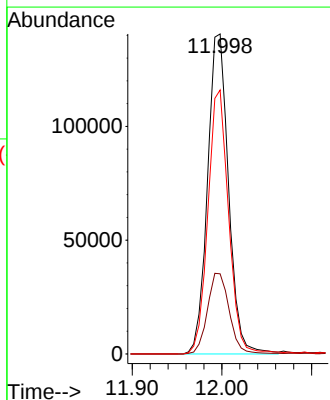
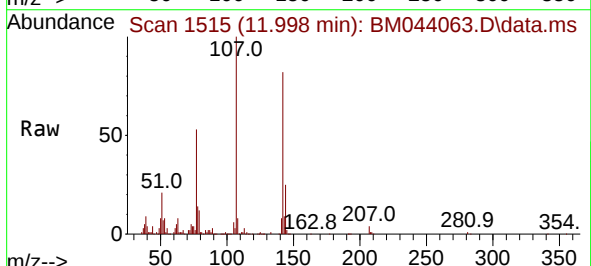
Manual Integrations
APPROVED

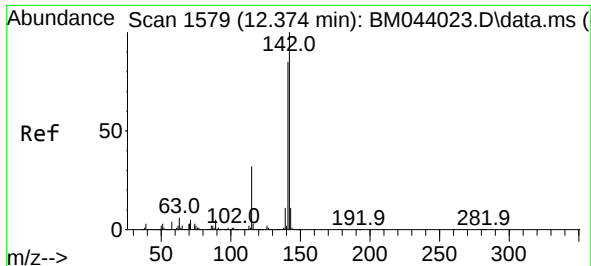
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#36
4-Chloro-3-methylphenol
Concen: 5.708 ng
RT: 11.998 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

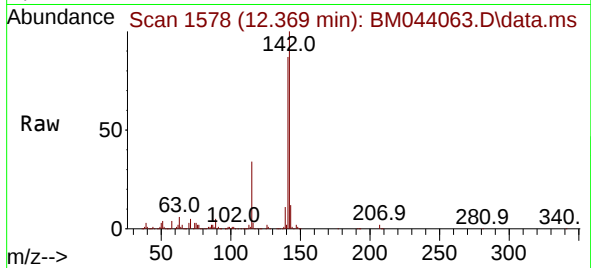
Tgt Ion:107 Resp: 228909
Ion Ratio Lower Upper
107 100
144 25.0 21.3 31.9
142 82.5 66.2 99.4





#37
2-Methylnaphthalene
Concen: 6.018 ng
RT: 12.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

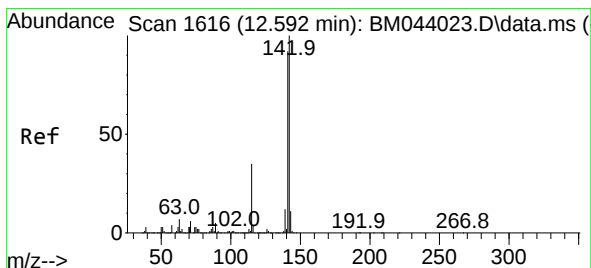
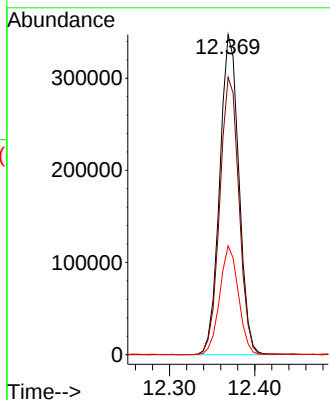
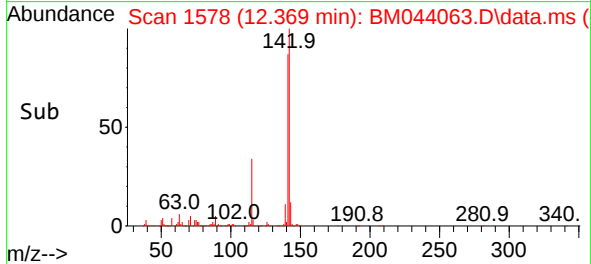
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024



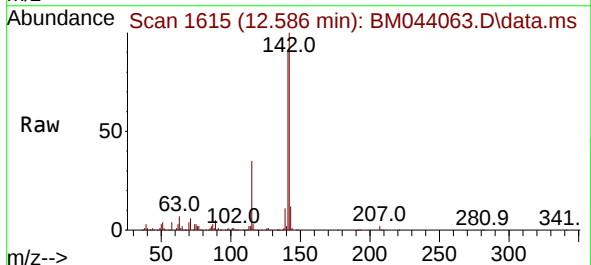
Tgt Ion:142 Resp: 54401
Ion Ratio Lower Upper
142 100
141 86.7 68.3 102.5
115 34.0 25.7 38.5

Manual Integrations
APPROVED

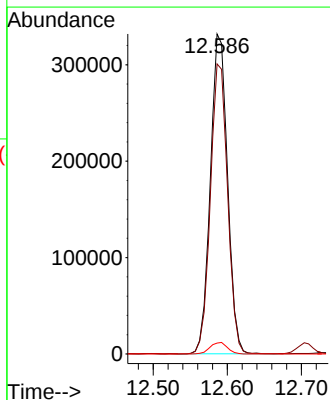
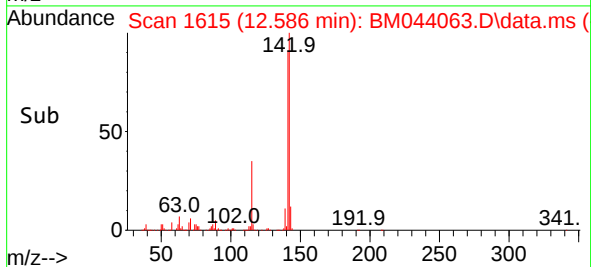
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

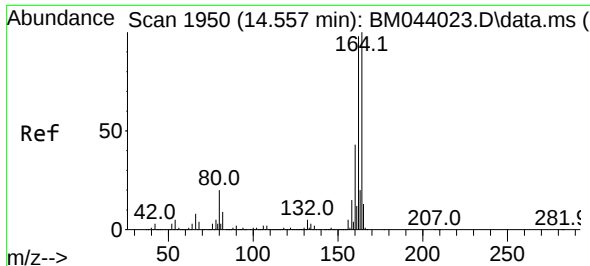


#38
1-Methylnaphthalene
Concen: 5.995 ng
RT: 12.586 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55



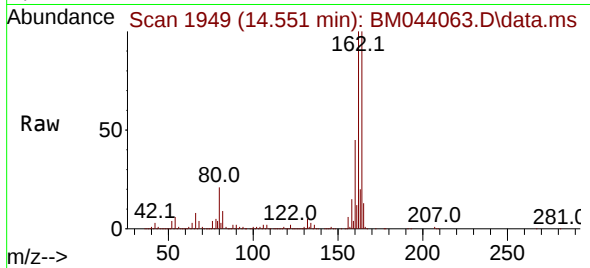
Tgt Ion:142 Resp: 532458
Ion Ratio Lower Upper
142 100
141 90.6 73.4 110.0
116 3.4 3.0 4.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.551 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

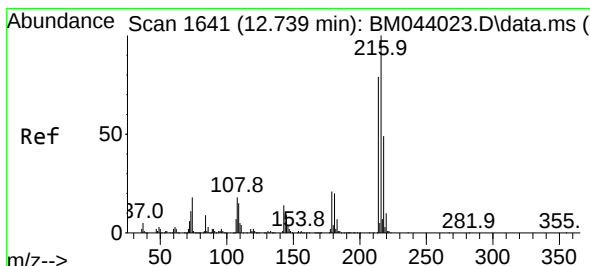
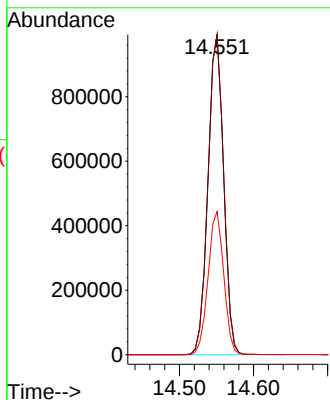
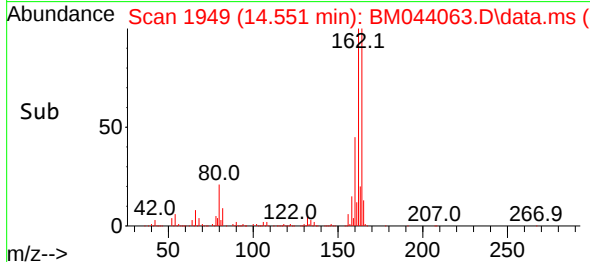
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024



Tgt Ion:164 Resp: 145503
Ion Ratio Lower Upper
164 100
162 99.9 78.4 117.6
160 44.8 34.6 51.8

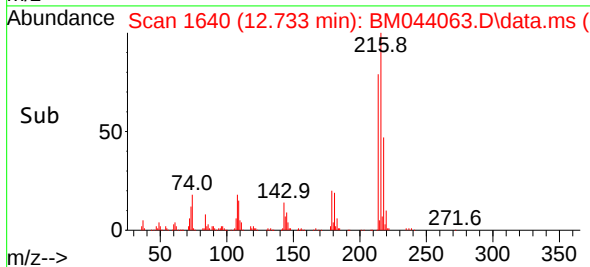
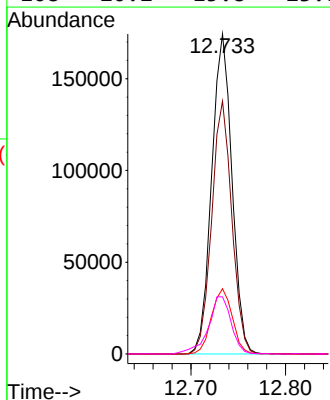
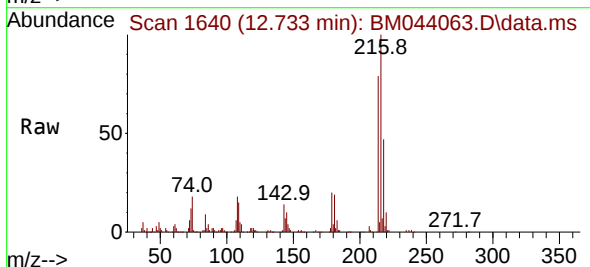
Manual Integrations
APPROVED

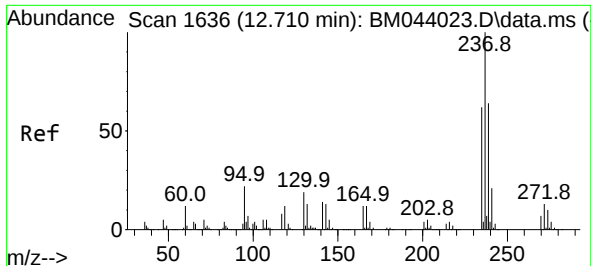
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#40
1,2,4,5-Tetrachlorobenzene
Concen: 6.144 ng
RT: 12.733 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

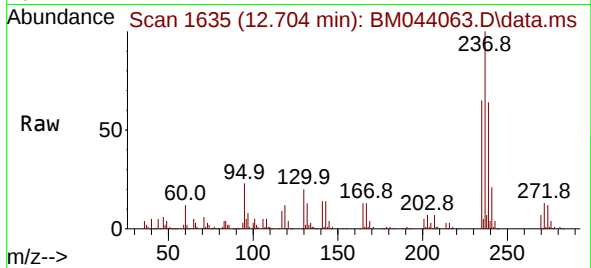
Tgt Ion:216 Resp: 259852
Ion Ratio Lower Upper
216 100
214 78.3 63.1 94.7
179 20.9 17.0 25.6
108 20.2 15.8 23.8





#41
Hexachlorocyclopentadiene
Concen: 6.747 ng
RT: 12.704 min Scan# 1636
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

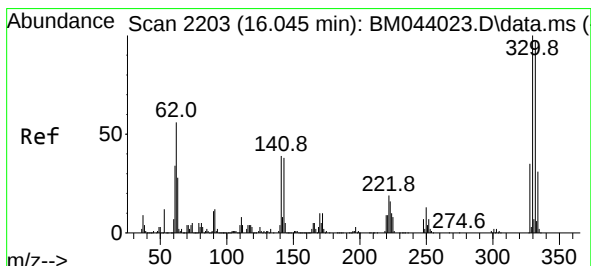
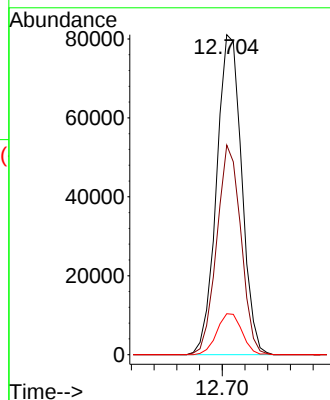
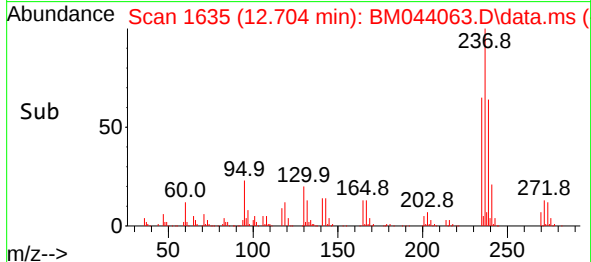
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024



Tgt Ion: 237 Resp: 124528
Ion Ratio Lower Upper
237 100
235 65.5 42.4 82.4
272 12.8 0.0 33.3

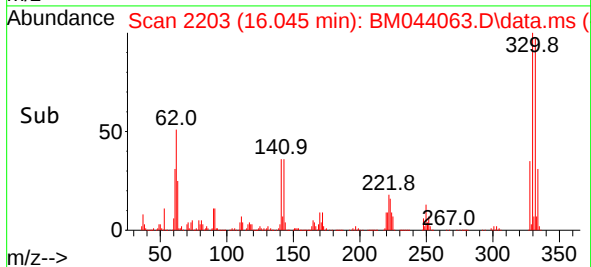
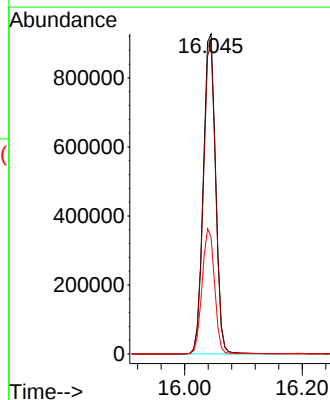
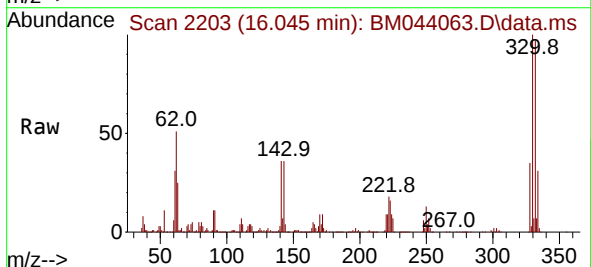
Manual Integrations
APPROVED

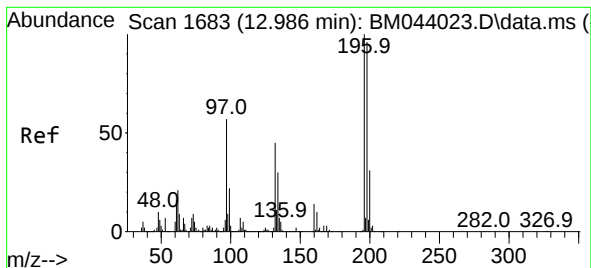
Reviewed By : Yogesh Patel 02/14/2024
Supervised By : mohammad ahmed 02/14/2024



#42
2,4,6-Tribromophenol
Concen: 86.201 ng
RT: 16.045 min Scan# 2203
Delta R.T. 0.000 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

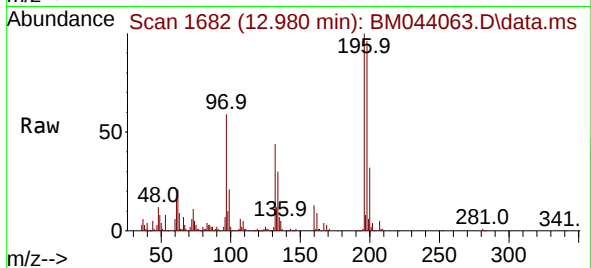
Tgt Ion: 330 Resp: 1358008
Ion Ratio Lower Upper
330 100
332 96.3 77.7 116.5
141 39.6 31.0 46.4





#43
2,4,6-Trichlorophenol
Concen: 5.494 ng
RT: 12.980 min Scan# 1682
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

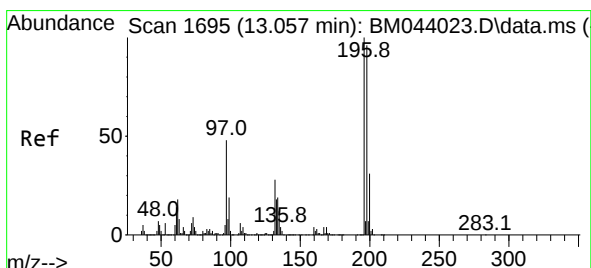
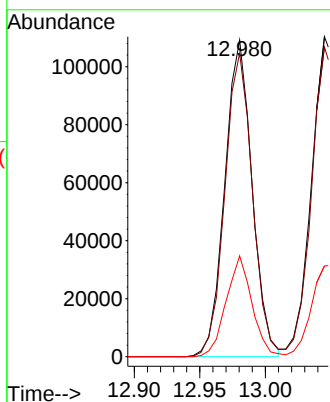
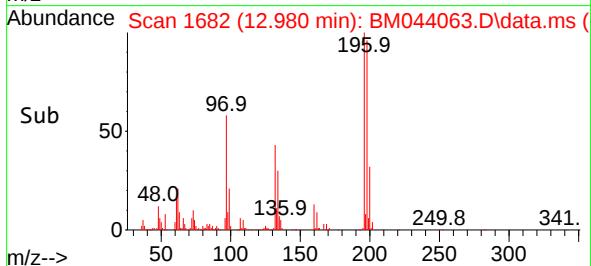
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024



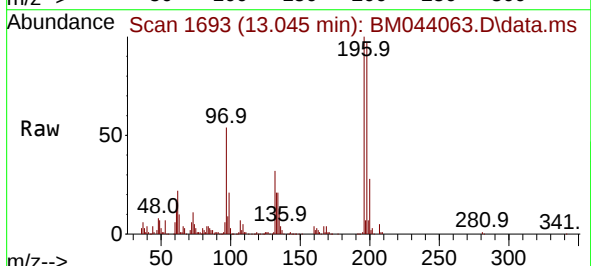
Tgt Ion:196 Resp: 158140
Ion Ratio Lower Upper
196 100
198 95.8 76.8 115.2
200 31.8 24.6 37.0

Manual Integrations
APPROVED

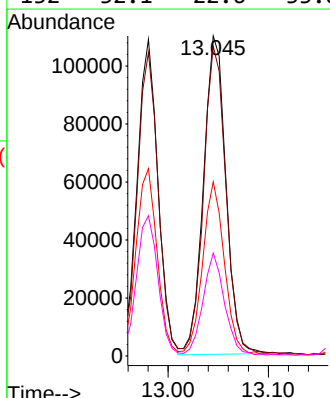
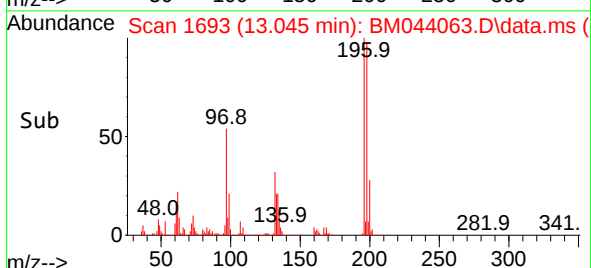
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

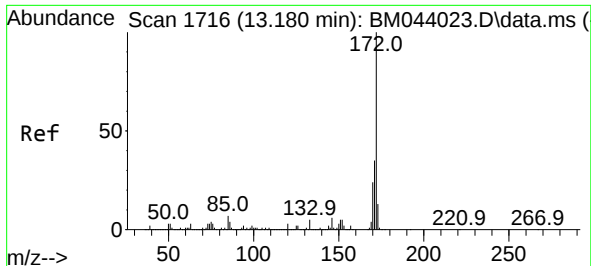


#44
2,4,5-Trichlorophenol
Concen: 5.431 ng
RT: 13.045 min Scan# 1693
Delta R.T. -0.012 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55



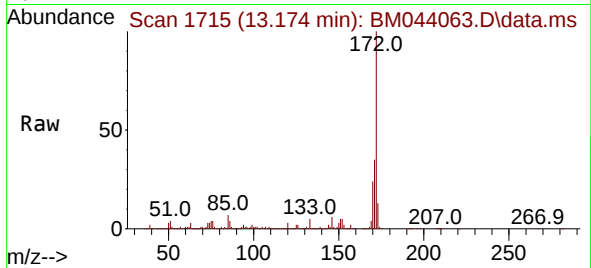
Tgt Ion:196 Resp: 171547
Ion Ratio Lower Upper
196 100
198 96.8 76.9 115.3
97 54.4 39.0 58.4
132 32.1 22.6 33.8





#45
2-Fluorobiphenyl
Concen: 59.949 ng
RT: 13.174 min Scan# 1715
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

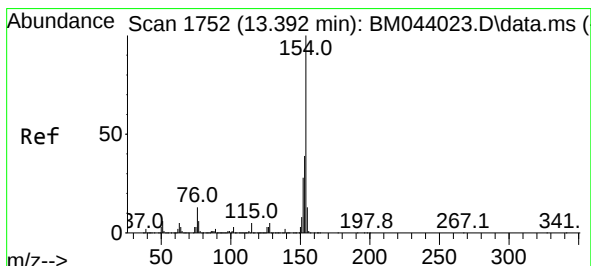
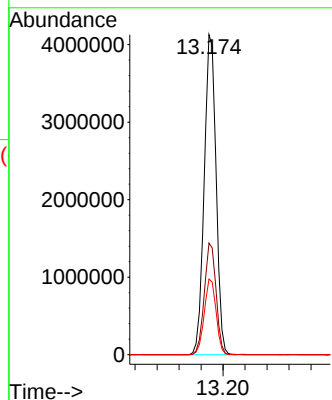
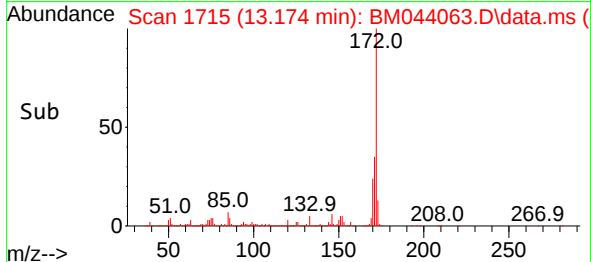
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024



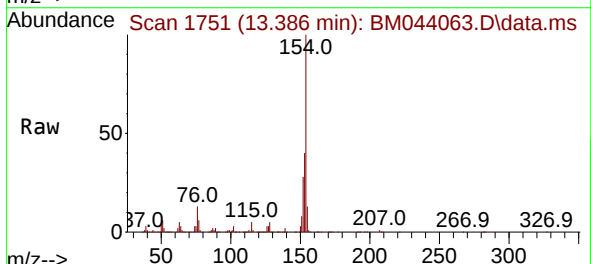
Tgt Ion:172 Resp: 618058
Ion Ratio Lower Upper
172 100
171 34.9 27.9 41.9
170 23.6 19.0 28.4

Manual Integrations
APPROVED

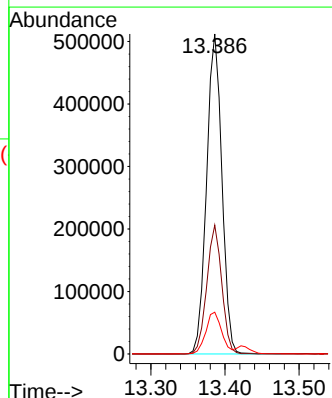
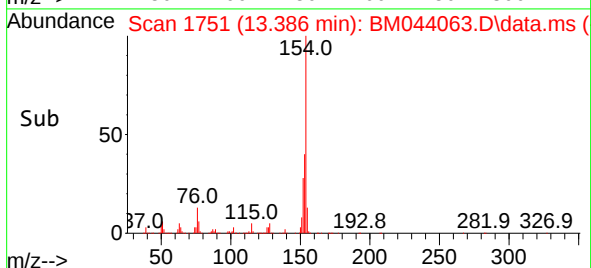
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

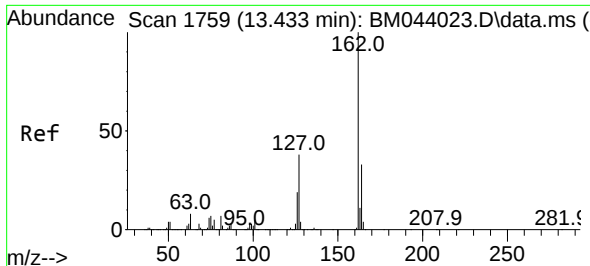


#46
1,1'-Biphenyl
Concen: 6.402 ng
RT: 13.386 min Scan# 1751
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55



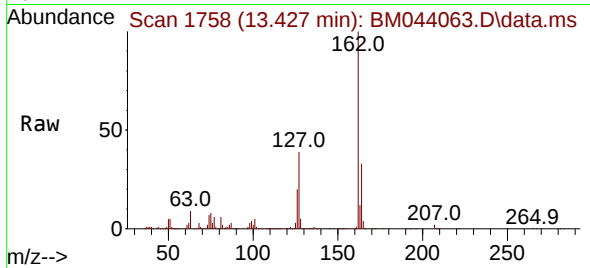
Tgt Ion:154 Resp: 735072
Ion Ratio Lower Upper
154 100
153 40.2 19.4 59.4
76 13.0 0.0 32.9





#47
2-Chloronaphthalene
Concen: 5.939 ng
RT: 13.427 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

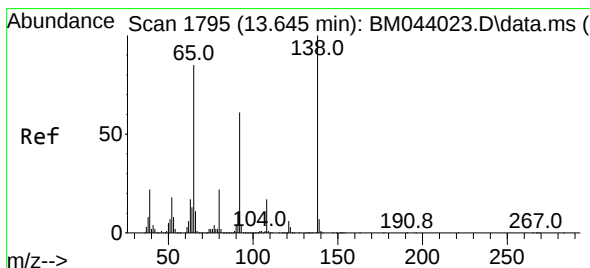
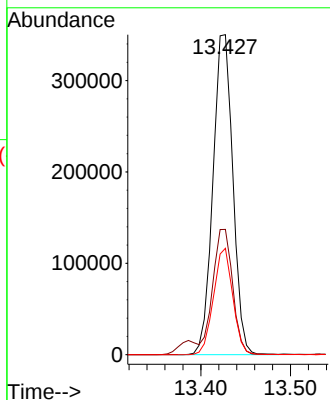
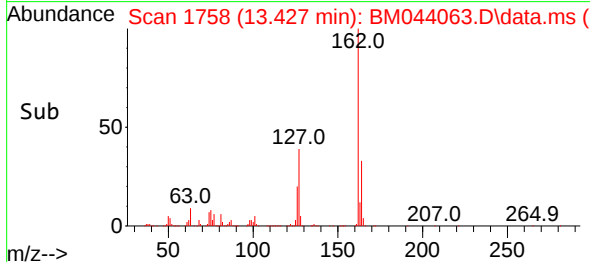
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024



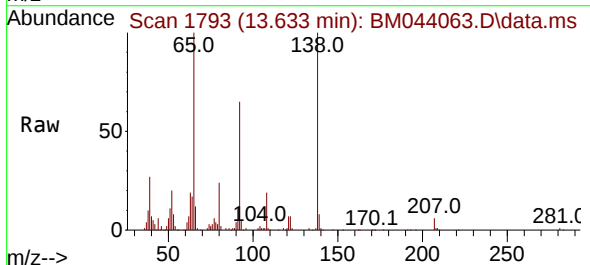
Tgt Ion:162 Resp: 540139
Ion Ratio Lower Upper
162 100
127 39.2 30.9 46.3
164 33.3 26.4 39.6

Manual Integrations
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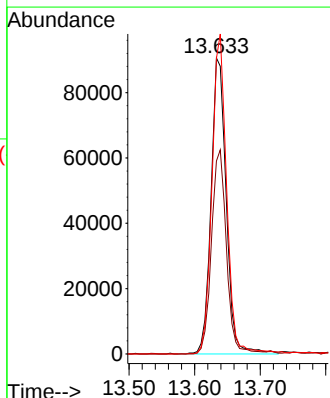
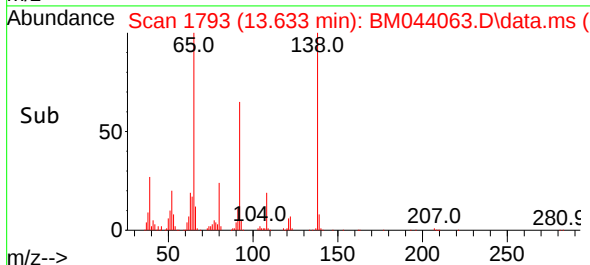
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

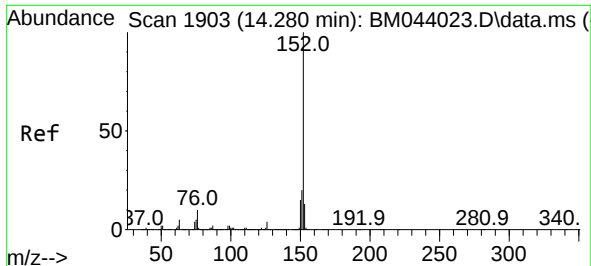


#48
2-Nitroaniline
Concen: 5.701 ng
RT: 13.633 min Scan# 1793
Delta R.T. -0.012 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55



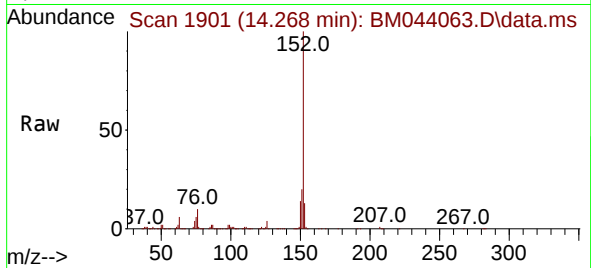
Tgt Ion: 65 Resp: 145854
Ion Ratio Lower Upper
65 100
92 65.2 58.1 87.1
138 99.8 94.6 142.0





#49
Acenaphthylene
Concen: 6.592 ng
RT: 14.268 min Scan# 1901
Delta R.T. -0.012 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

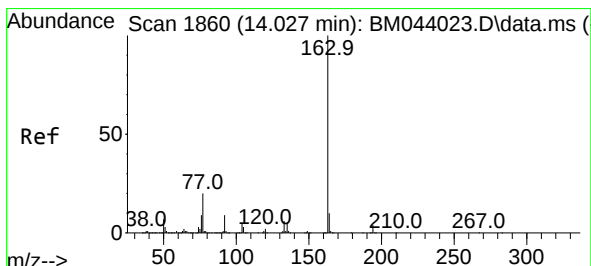
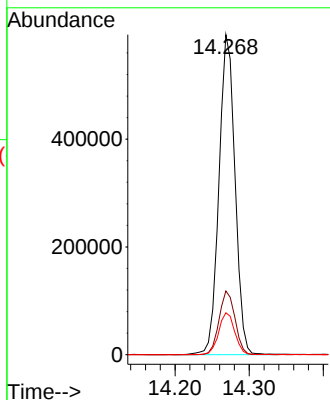
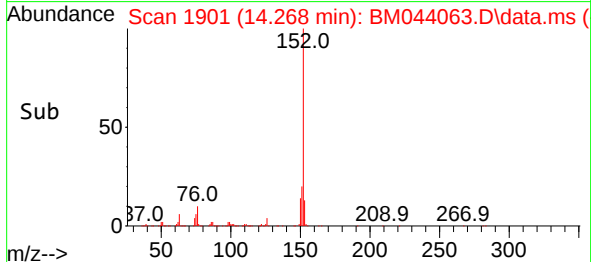
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024



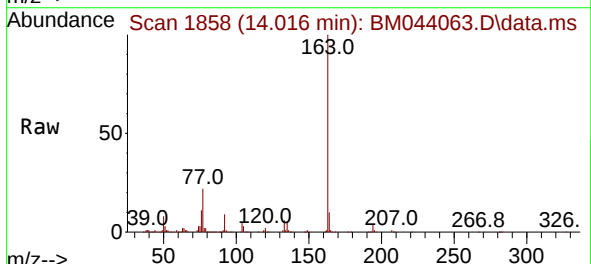
Tgt Ion:152 Resp: 894472
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.6
153 13.1 10.5 15.7

Manual Integrations
APPROVED

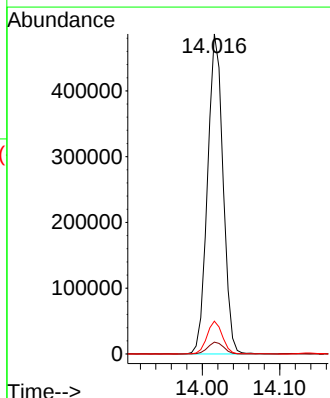
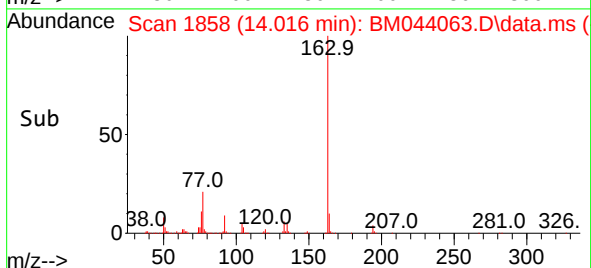
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

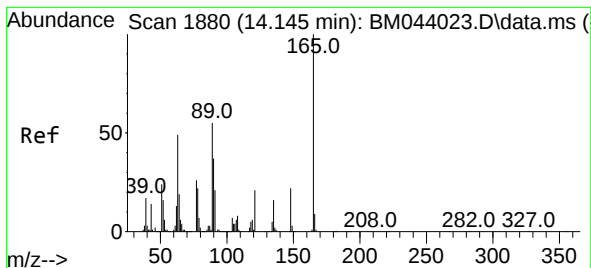


#50
Dimethylphthalate
Concen: 6.259 ng
RT: 14.016 min Scan# 1858
Delta R.T. -0.012 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55



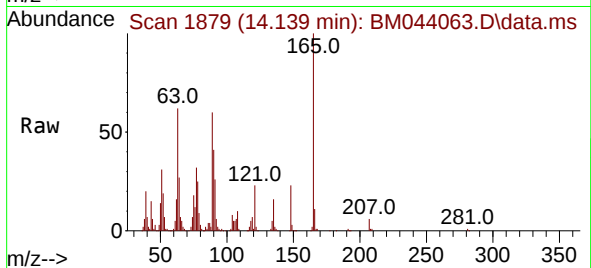
Tgt Ion:163 Resp: 675235
Ion Ratio Lower Upper
163 100
194 3.7 3.1 4.7
164 10.3 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 5.533 ng
RT: 14.139 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

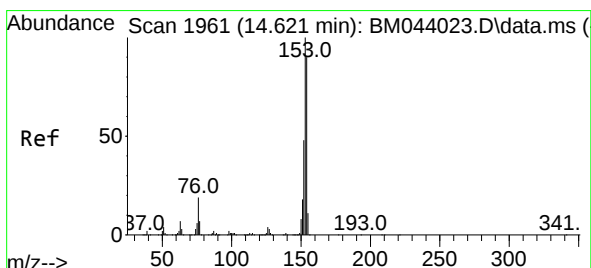
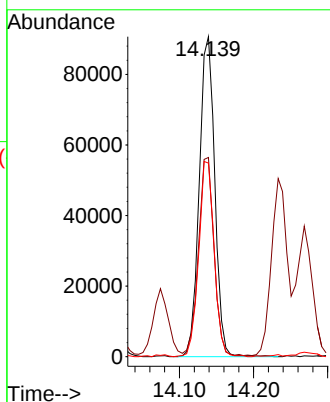
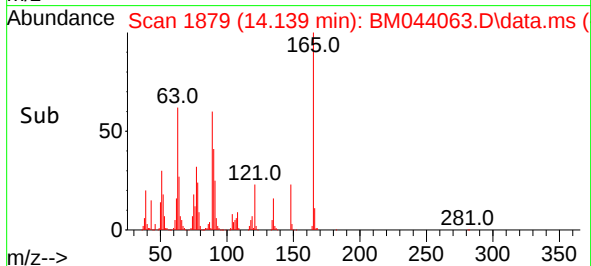
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024



Tgt Ion:165 Resp: 13169
Ion Ratio Lower Upper
165 100
63 62.2 43.5 65.3
89 60.5 44.4 66.6

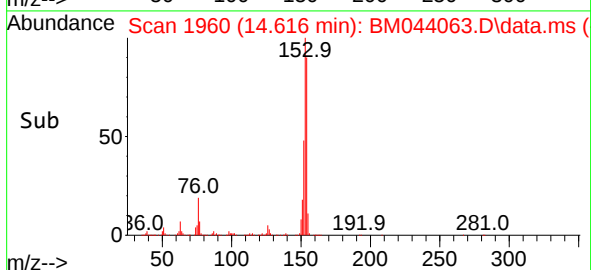
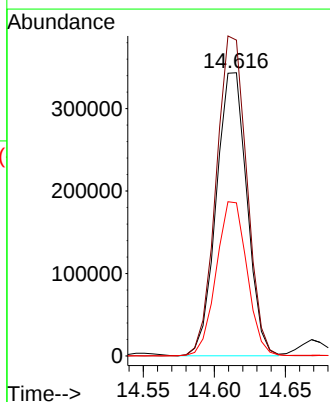
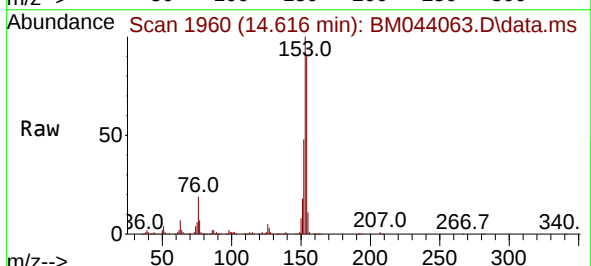
Manual Integrations
APPROVED

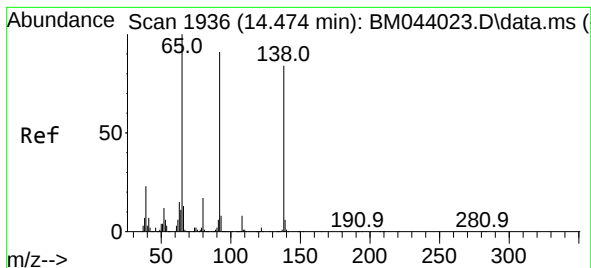
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#52
Acenaphthene
Concen: 6.143 ng
RT: 14.616 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

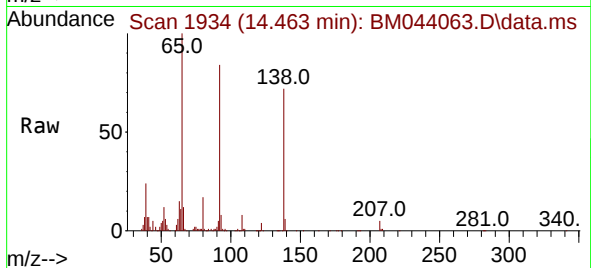
Tgt Ion:154 Resp: 515887
Ion Ratio Lower Upper
154 100
153 111.5 89.3 133.9
152 54.1 43.0 64.6





#53
3-Nitroaniline
Concen: 5.560 ng
RT: 14.463 min Scan# 1936
Delta R.T. -0.012 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

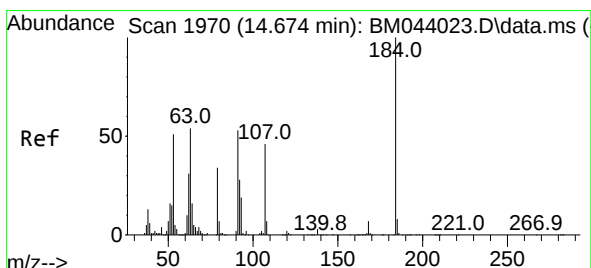
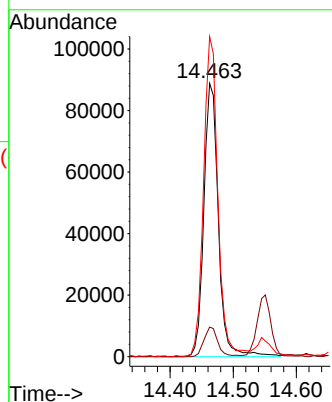
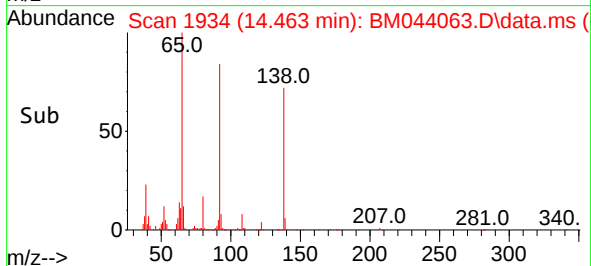
Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT1-2024



Tgt Ion:138 Resp: 142234
Ion Ratio Lower Upper
138 100
108 10.8 7.6 11.4
92 117.1 86.5 129.7

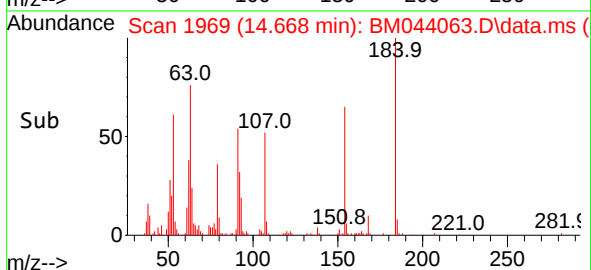
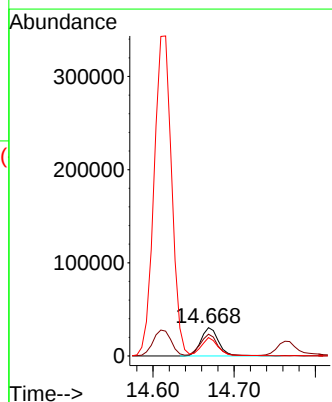
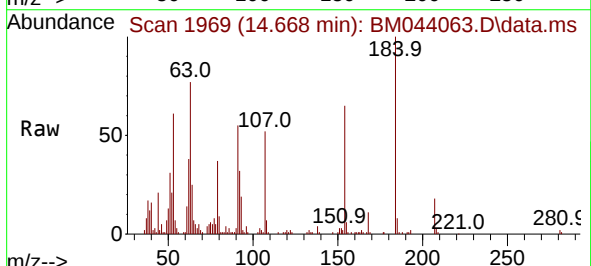
Manual Integrations
APPROVED

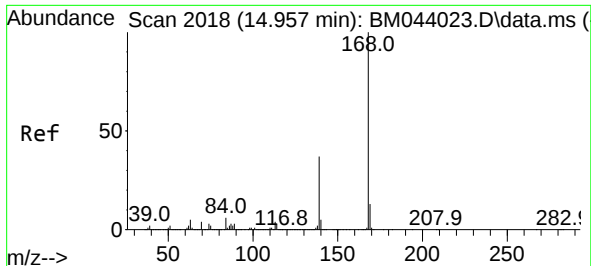
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#54
2,4-Dinitrophenol
Concen: 8.598 ng
RT: 14.668 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

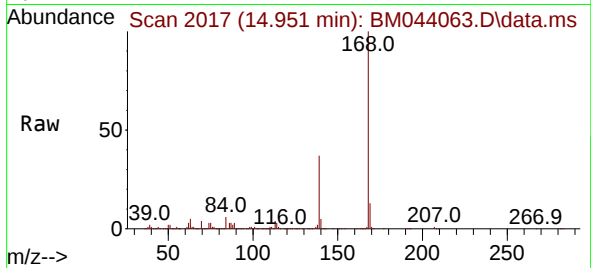
Tgt Ion:184 Resp: 46244
Ion Ratio Lower Upper
184 100
63 76.9 55.4 83.2
154 65.1 49.2 73.8





#55
Dibenzenofuran
Concen: 6.391 ng
RT: 14.951 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

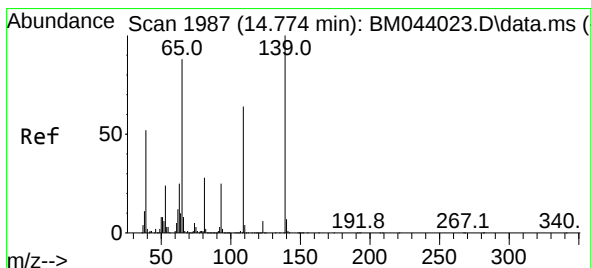
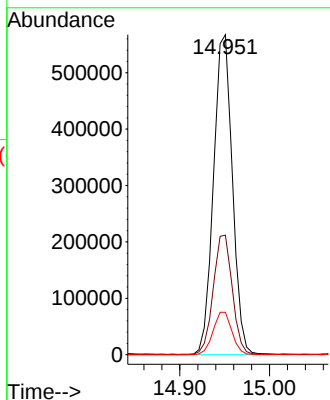
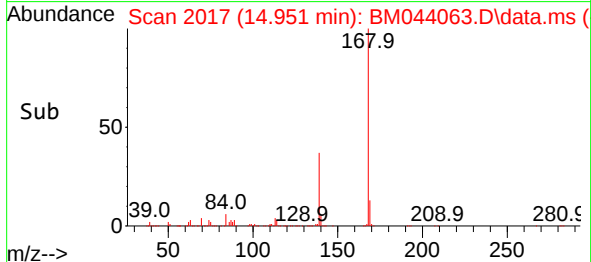
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024



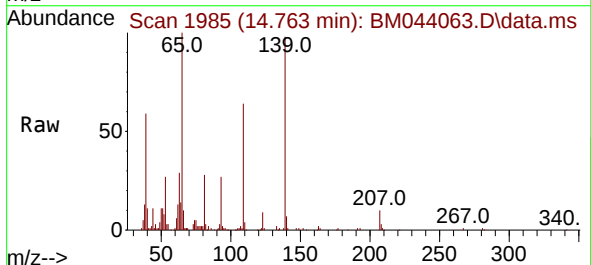
Tgt Ion:168 Resp: 830689
Ion Ratio Lower Upper
168 100
139 37.4 29.6 44.4
169 13.3 10.5 15.7

Manual Integrations
APPROVED

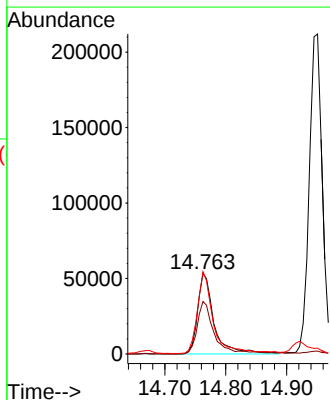
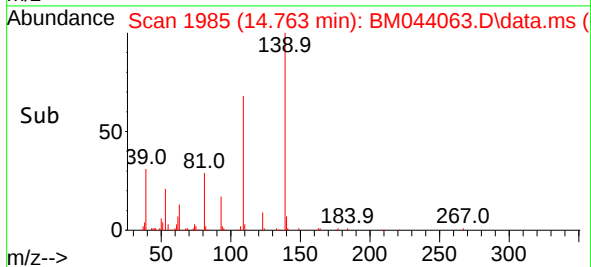
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

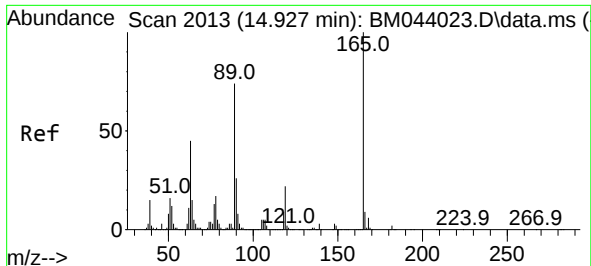


#56
4-Nitrophenol
Concen: 4.810 ng
RT: 14.763 min Scan# 1985
Delta R.T. -0.012 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55



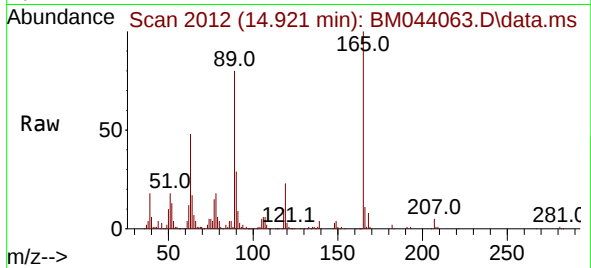
Tgt Ion:139 Resp: 100021
Ion Ratio Lower Upper
139 100
109 65.1 43.8 83.8
65 102.2 67.7 107.7





#57
2,4-Dinitrotoluene
Concen: 5.343 ng
RT: 14.921 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

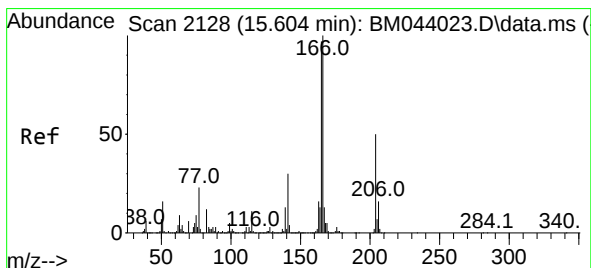
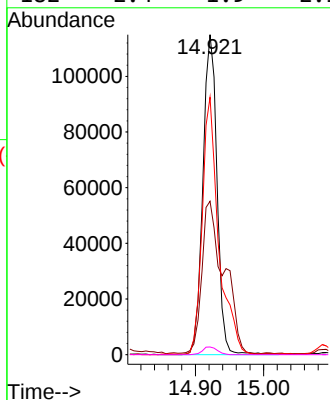
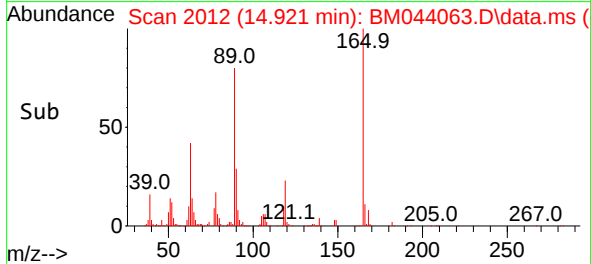
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024



Tgt Ion:165 Resp: 166219
Ion Ratio Lower Upper
165 100
63 48.0 35.9 53.9
89 80.5 58.9 88.3
182 2.4 1.9 2.9

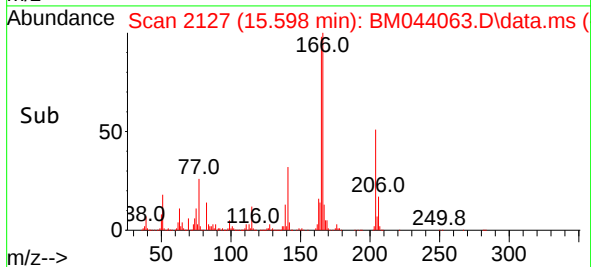
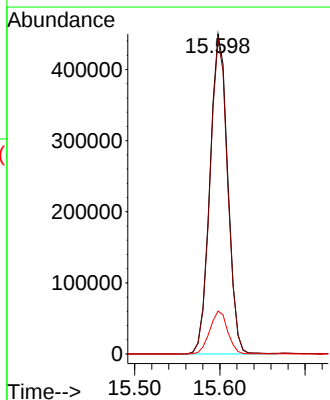
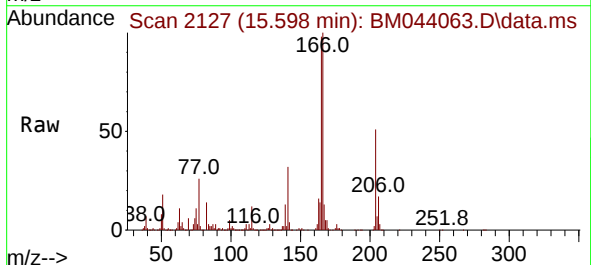
Manual Integrations
APPROVED

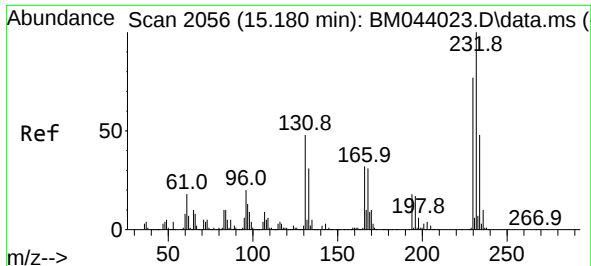
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#58
Fluorene
Concen: 6.534 ng
RT: 15.598 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

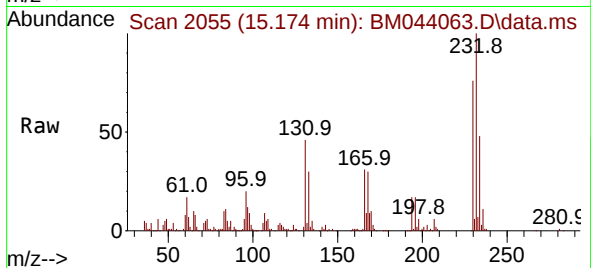
Tgt Ion:166 Resp: 656259
Ion Ratio Lower Upper
166 100
165 98.3 77.7 116.5
167 13.4 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 6.103 ng
RT: 15.174 min Scan# 2055
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

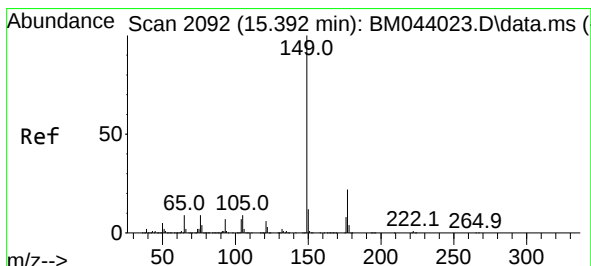
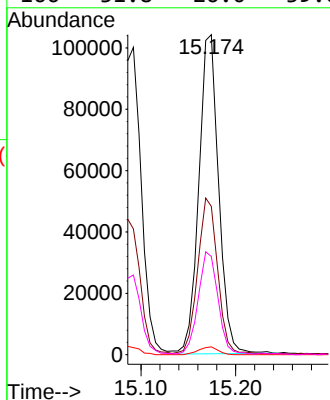
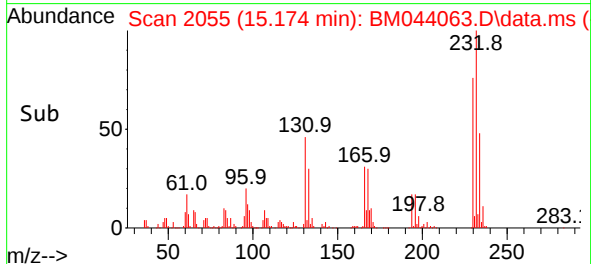
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024



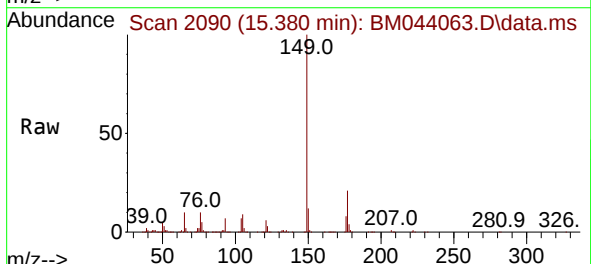
Tgt Ion:232 Resp: 151274
Ion Ratio Lower Upper
232 100
131 49.2 39.5 59.3
130 2.4 2.0 3.0
166 31.8 26.0 39.0

Manual Integrations
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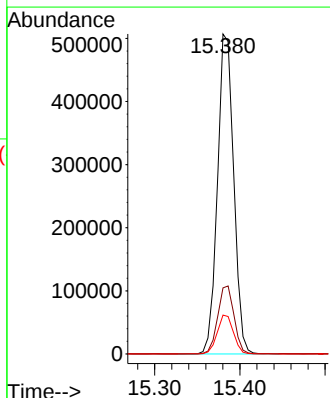
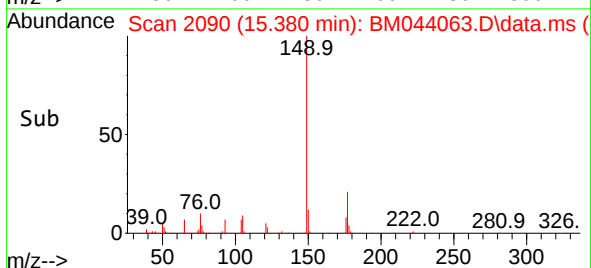
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

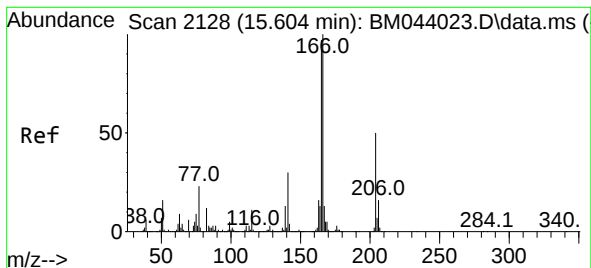


#60
Diethylphthalate
Concen: 6.025 ng
RT: 15.380 min Scan# 2090
Delta R.T. -0.012 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55



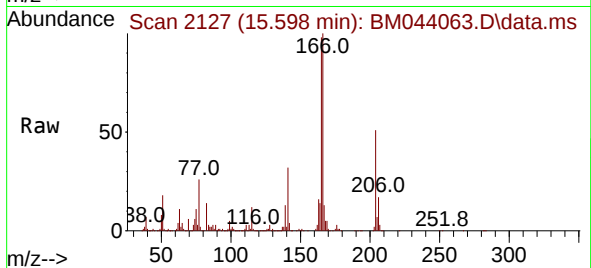
Tgt Ion:149 Resp: 671764
Ion Ratio Lower Upper
149 100
177 20.6 17.5 26.3
150 12.2 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 6.438 ng
RT: 15.598 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

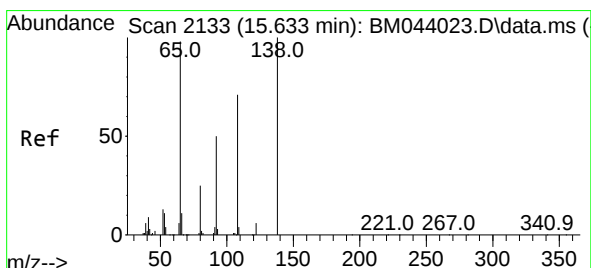
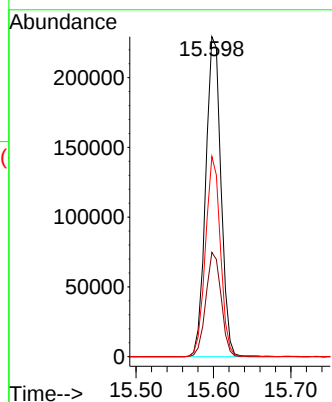
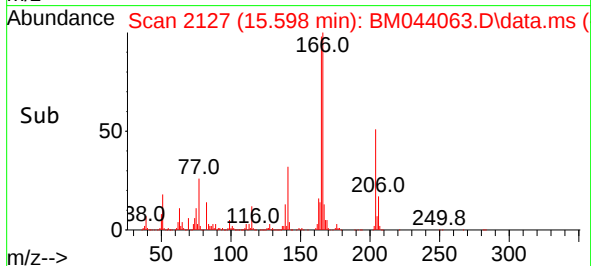
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024



Tgt Ion:204 Resp: 31329
Ion Ratio Lower Upper
204 100
206 32.6 26.3 39.5
141 62.6 47.7 71.5

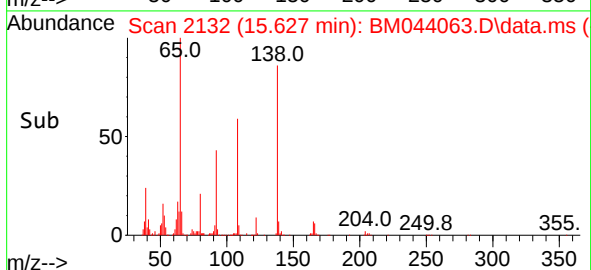
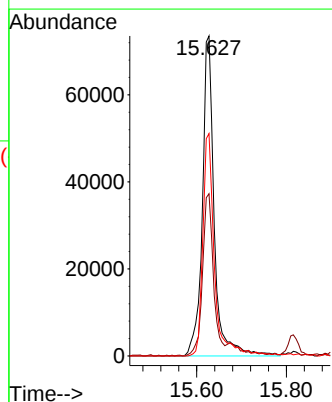
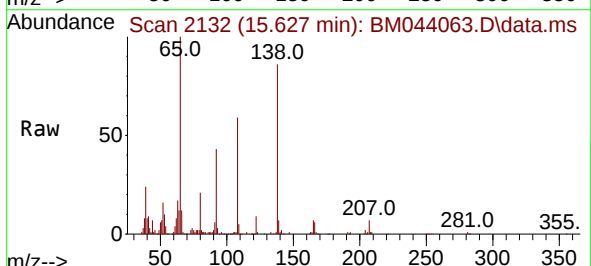
Manual Integrations
APPROVED

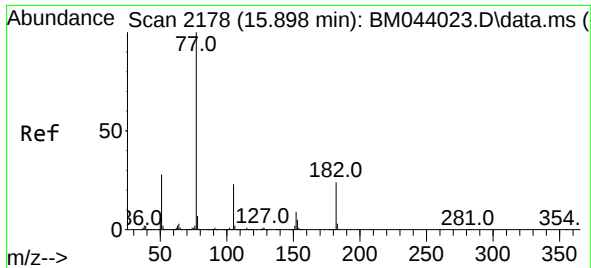
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#62
4-Nitroaniline
Concen: 5.277 ng
RT: 15.627 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

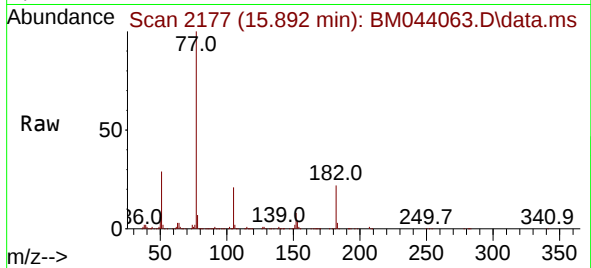
Tgt Ion:138 Resp: 135872
Ion Ratio Lower Upper
138 100
92 50.7 29.6 69.6
108 69.5 47.8 87.8





#63
 Azobenzene
 Concen: 6.279 ng
 RT: 15.892 min Scan# 2177
 Delta R.T. -0.006 min
 Lab File: BM044063.D
 Acq: 12 Feb 2024 18:55

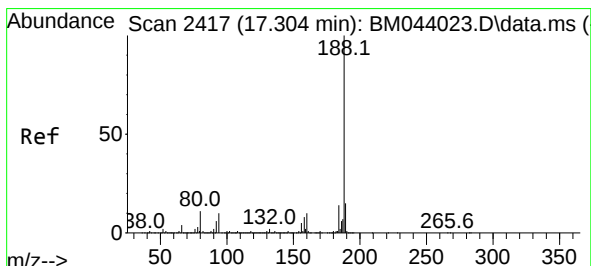
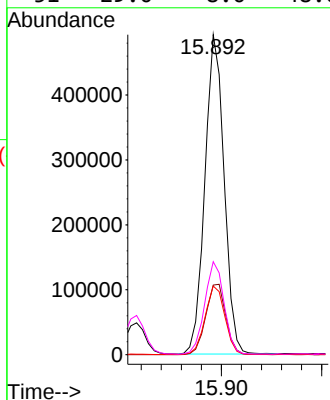
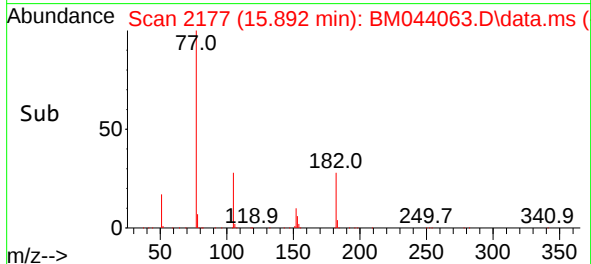
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2024



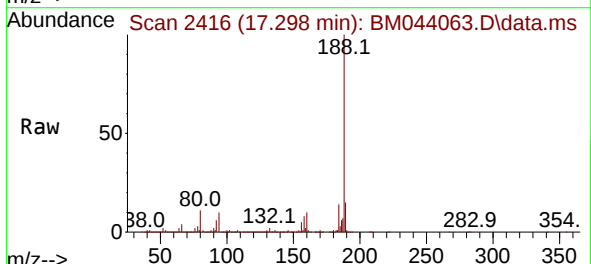
Tgt Ion: 77 Resp: 656819
 Ion Ratio Lower Upper
 77 100
 182 21.7 4.0 44.0
 105 21.4 3.3 43.3
 51 29.0 8.0 48.0

Manual Integrations
 APPROVED

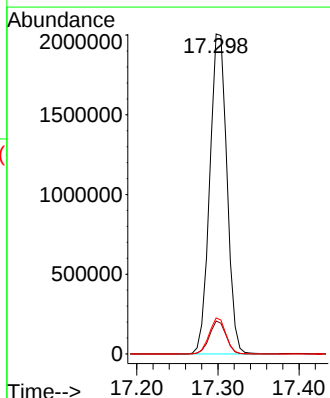
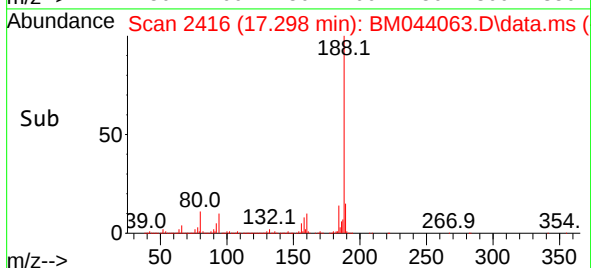
Reviewed By :Yogesh Patel 02/14/2024
 Supervised By :mohammad ahmed 02/14/2024

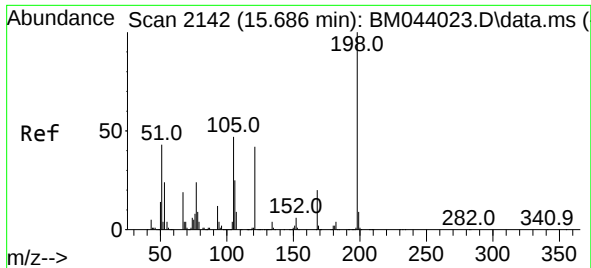


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.298 min Scan# 2416
 Delta R.T. -0.006 min
 Lab File: BM044063.D
 Acq: 12 Feb 2024 18:55



Tgt Ion:188 Resp: 2951678
 Ion Ratio Lower Upper
 188 100
 94 10.3 8.2 12.2
 80 11.3 8.8 13.2





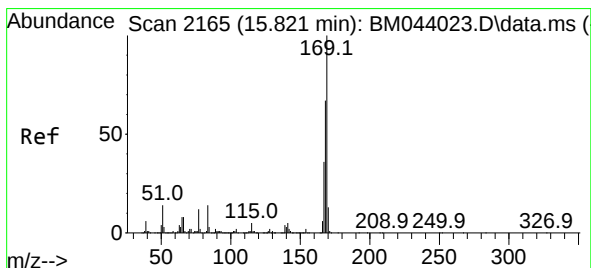
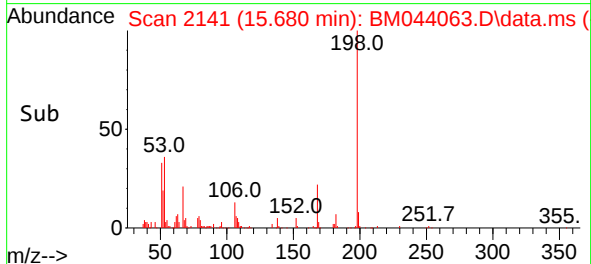
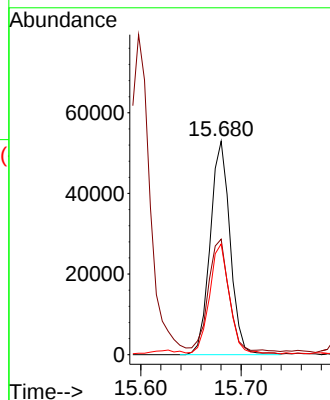
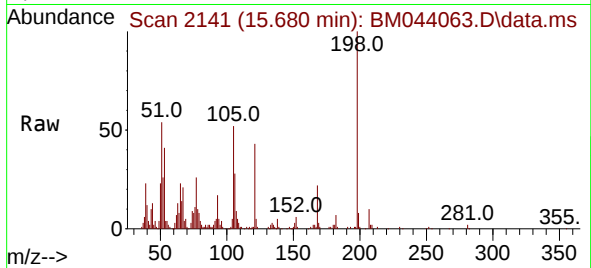
#65
4,6-Dinitro-2-methylphenol
Concen: 4.163 ng
RT: 15.680 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

Tgt Ion:198 Resp: 7322
Ion Ratio Lower Upper
198 100
51 54.1 29.9 69.9
105 51.9 28.7 68.7

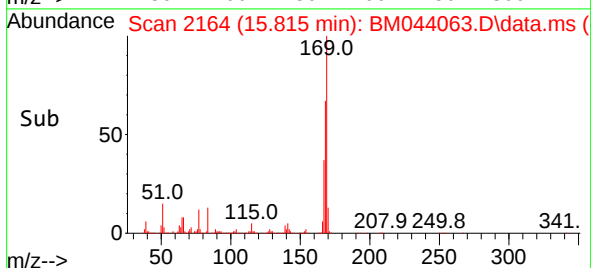
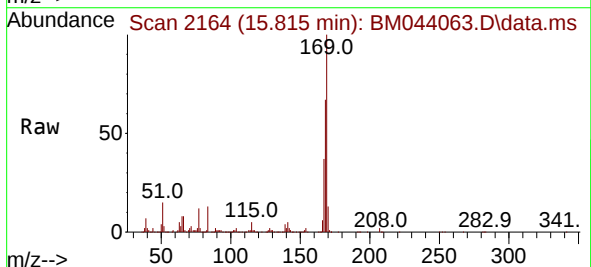
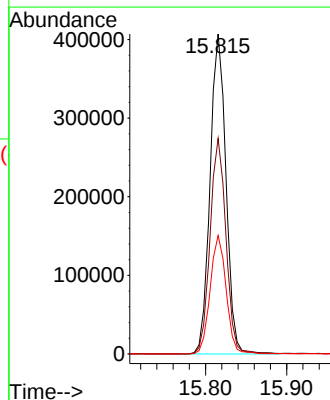
Manual Integrations
APPROVED

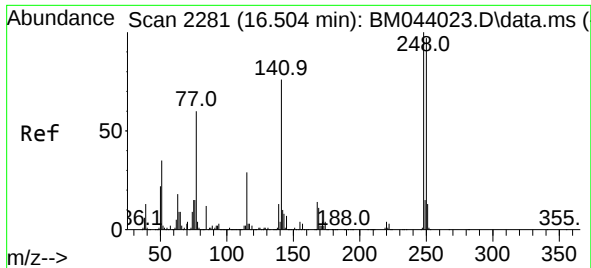
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#66
n-Nitrosodiphenylamine
Concen: 6.169 ng
RT: 15.815 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

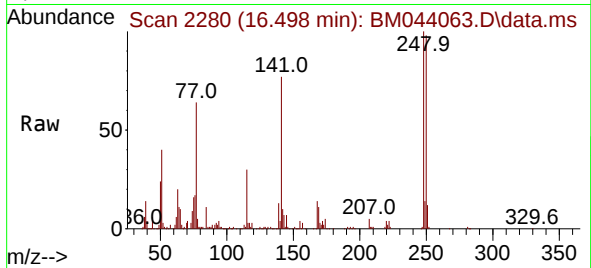
Tgt Ion:169 Resp: 553186
Ion Ratio Lower Upper
169 100
168 67.4 53.8 80.8
167 37.0 29.2 43.8





#67
4-Bromophenyl-phenylether
Concen: 5.236 ng
RT: 16.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

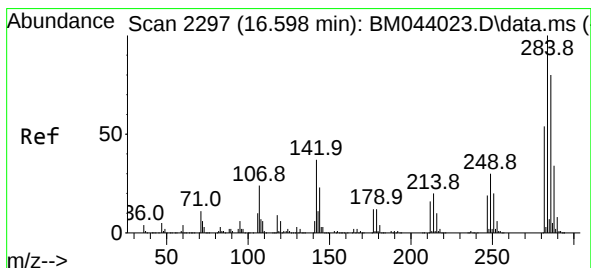
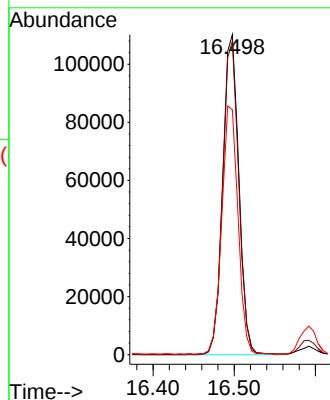
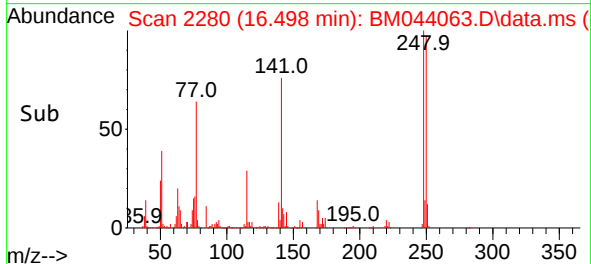
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024



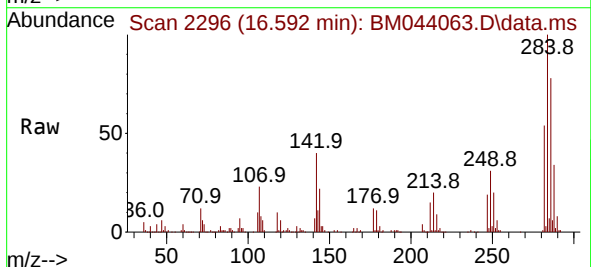
Tgt Ion:248 Resp: 15279
Ion Ratio Lower Upper
248 100
250 97.9 77.4 116.2
141 76.6 61.0 91.6

Manual Integrations
APPROVED

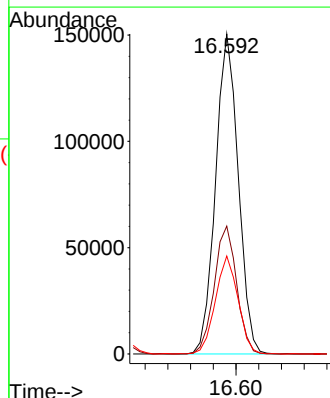
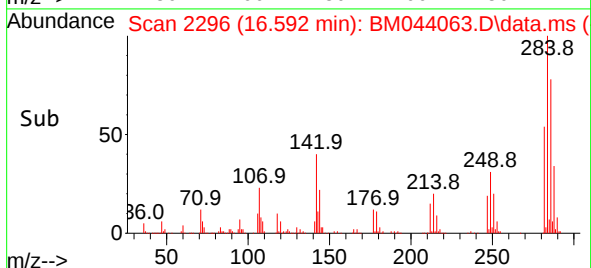
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

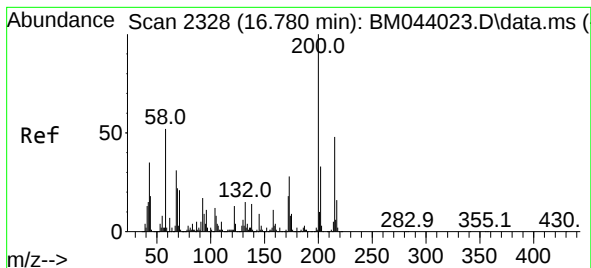


#68
Hexachlorobenzene
Concen: 5.838 ng
RT: 16.592 min Scan# 2296
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55



Tgt Ion:284 Resp: 208703
Ion Ratio Lower Upper
284 100
142 40.0 30.0 45.0
249 30.6 24.1 36.1





#69

Atrazine

Concen: 7.412 ng

RT: 16.774 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044063.D

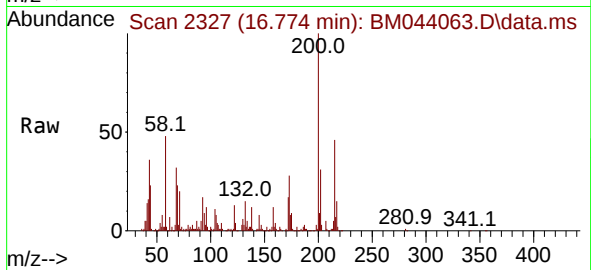
Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024



Tgt Ion:200 Resp: 179960

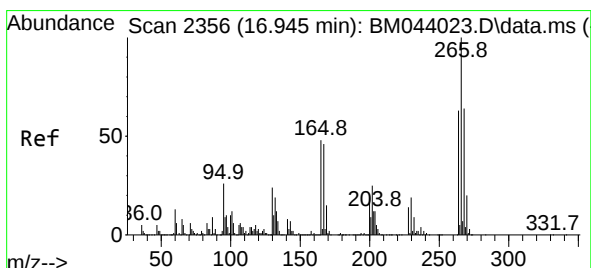
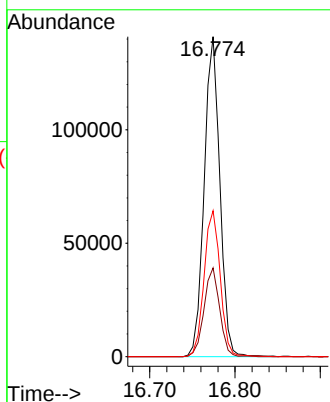
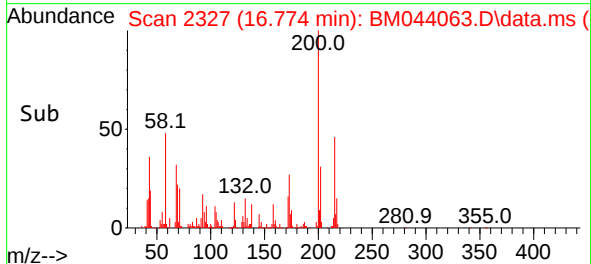
Ion	Ratio	Lower	Upper
200	100		
173	27.7	7.9	47.9
215	45.6	27.9	67.9

Manual Integrations

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Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#70

Pentachlorophenol

Concen: 4.453 ng

RT: 16.945 min Scan# 2356

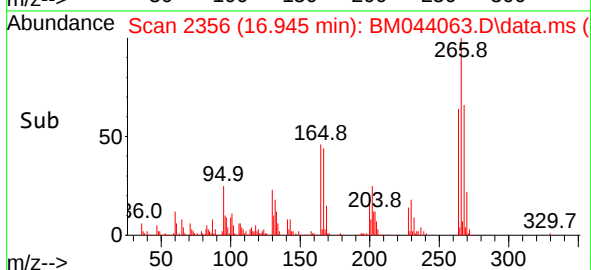
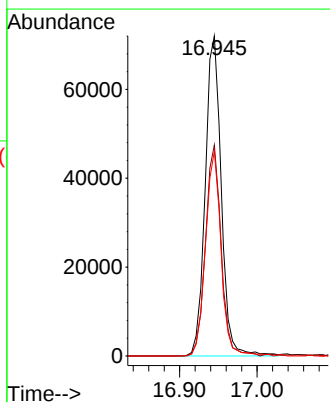
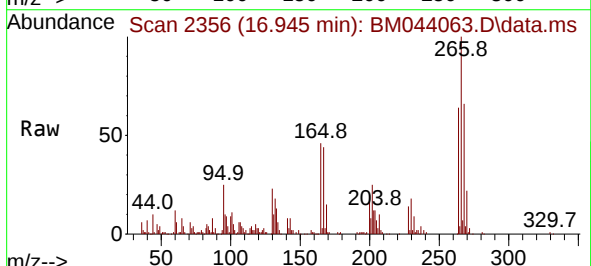
Delta R.T. 0.000 min

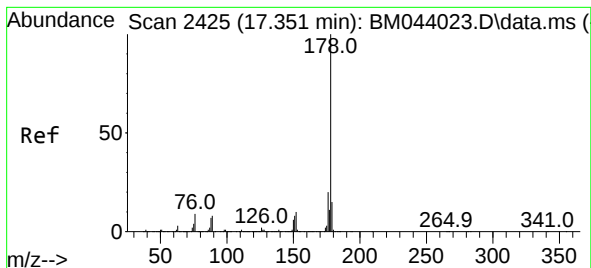
Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Tgt Ion:266 Resp: 103550

Ion	Ratio	Lower	Upper
266	100		
268	65.9	51.1	76.7
264	64.0	50.5	75.7





#71

Phenanthrene

Concen: 6.316 ng

RT: 17.345 min Scan# 2425

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion:178 Resp: 98438

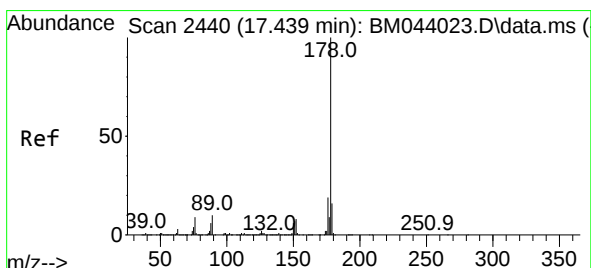
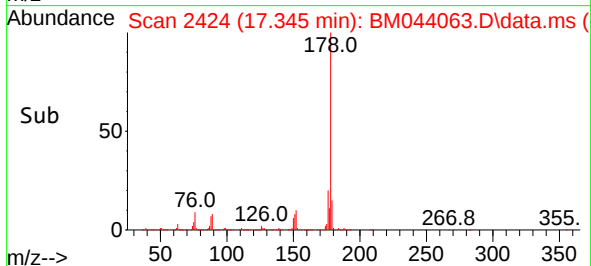
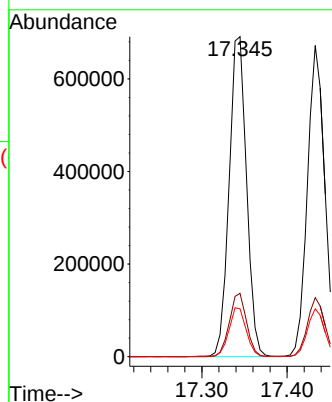
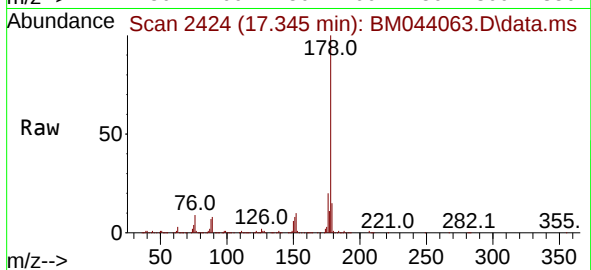
Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.6	23.4
179	14.9	12.2	18.4

Manual Integrations

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Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#72

Anthracene

Concen: 6.207 ng

RT: 17.433 min Scan# 2439

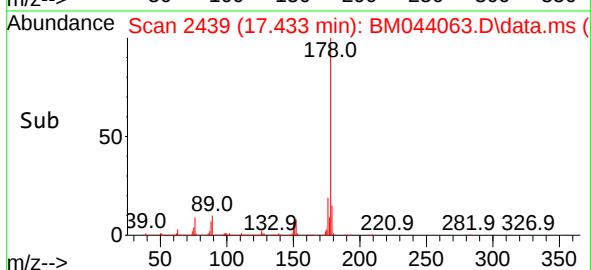
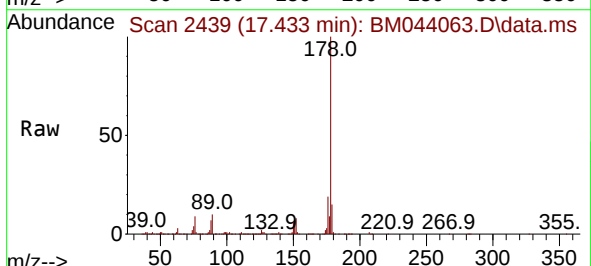
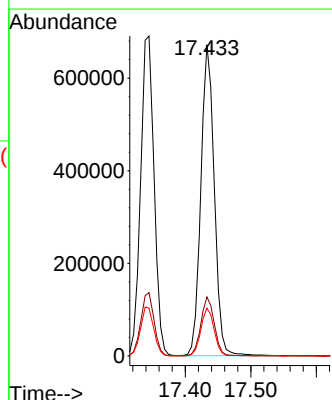
Delta R.T. -0.006 min

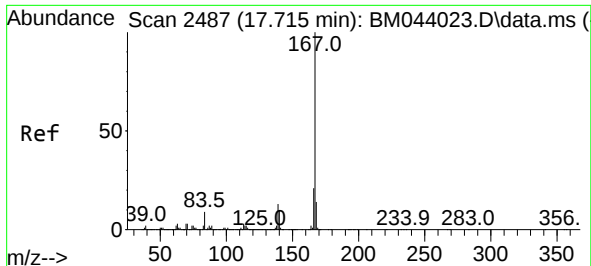
Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Tgt Ion:178 Resp: 957756

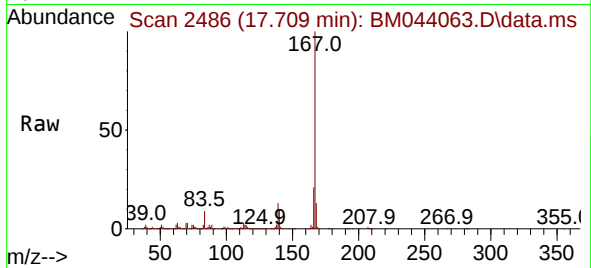
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.4	12.4	18.6





#73
 Carbazole
 Concen: 5.986 ng
 RT: 17.709 min Scan# 2487
 Delta R.T. -0.006 min
 Lab File: BM044063.D
 Acq: 12 Feb 2024 18:55

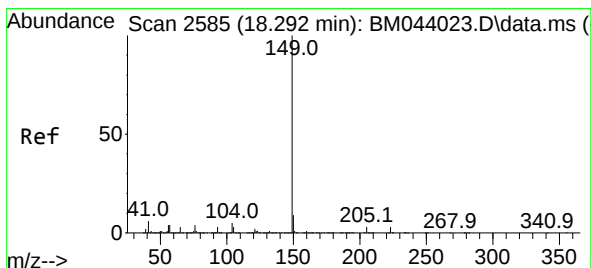
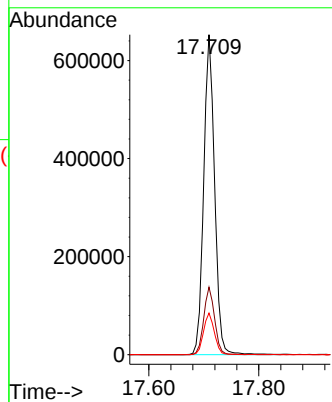
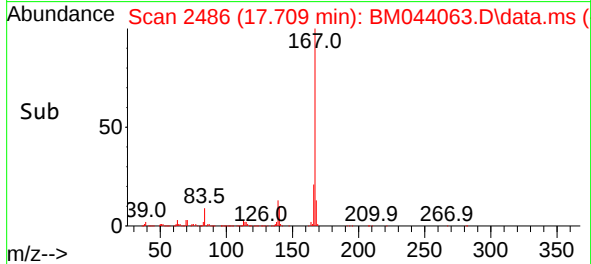
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2024



Tgt Ion:167 Resp: 898284
 Ion Ratio Lower Upper
 167 100
 166 21.1 16.8 25.2
 139 13.0 10.4 15.6

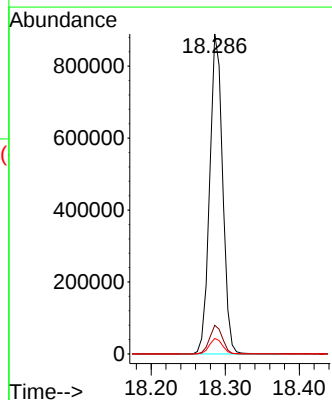
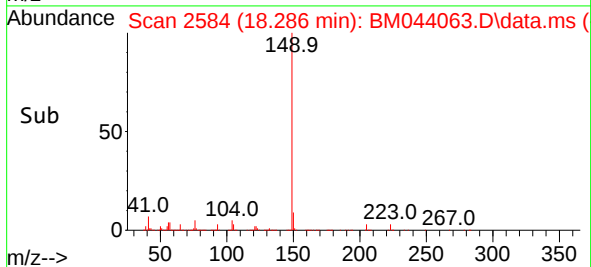
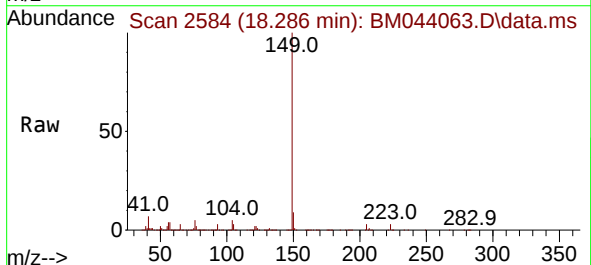
Manual Integrations
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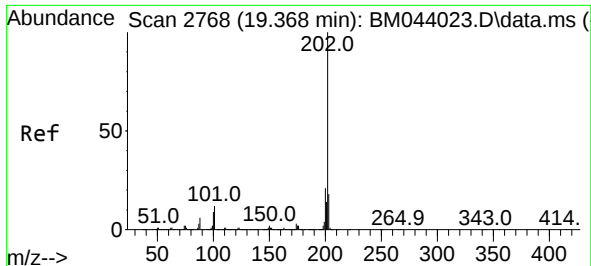
Reviewed By :Yogesh Patel 02/14/2024
 Supervised By :mohammad ahmed 02/14/2024



#74
 Di-n-butylphthalate
 Concen: 5.523 ng
 RT: 18.286 min Scan# 2584
 Delta R.T. -0.006 min
 Lab File: BM044063.D
 Acq: 12 Feb 2024 18:55

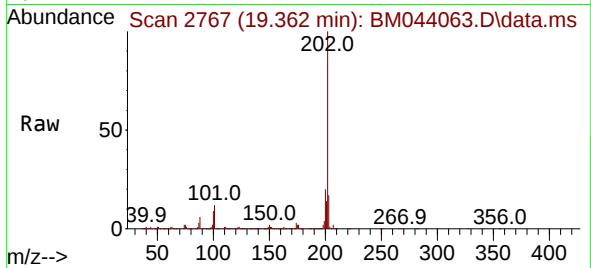
Tgt Ion:149 Resp: 1077337
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.4 11.2
 104 4.9 3.8 5.6





#75
Fluoranthene
Concen: 5.904 ng
RT: 19.362 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

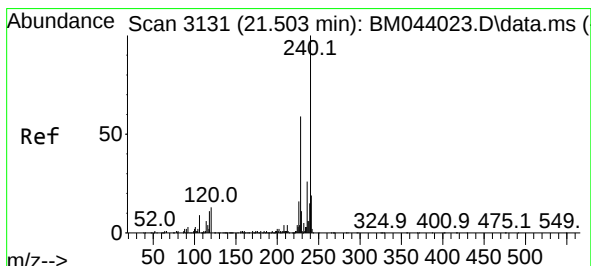
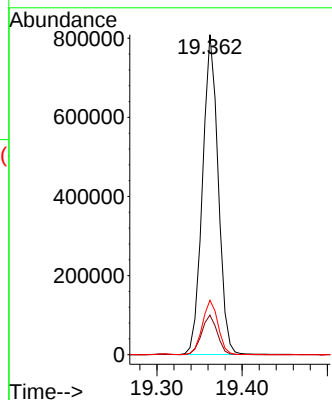
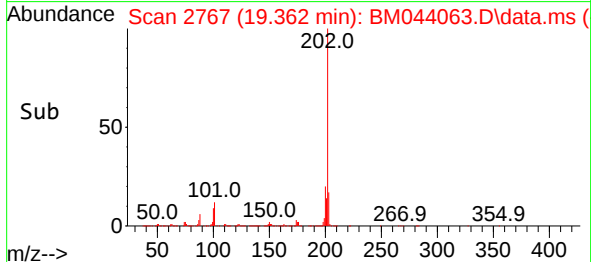
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024



Tgt Ion:202 Resp: 103365
Ion Ratio Lower Upper
202 100
101 12.3 0.0 32.4
203 17.0 0.0 37.8

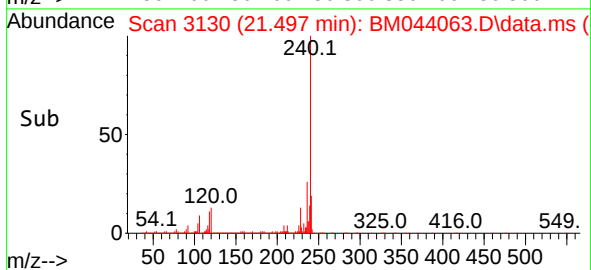
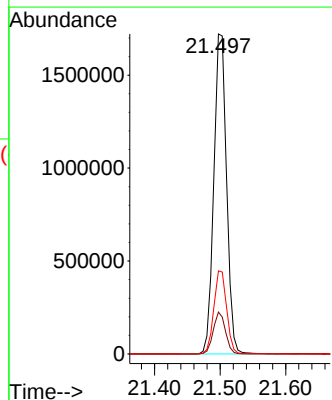
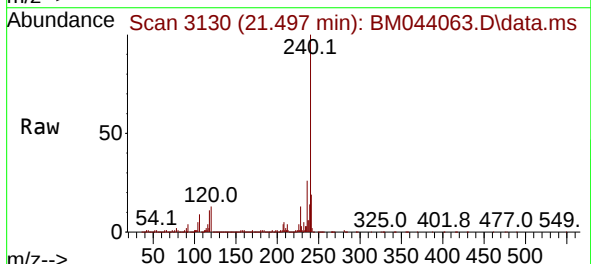
Manual Integrations
APPROVED

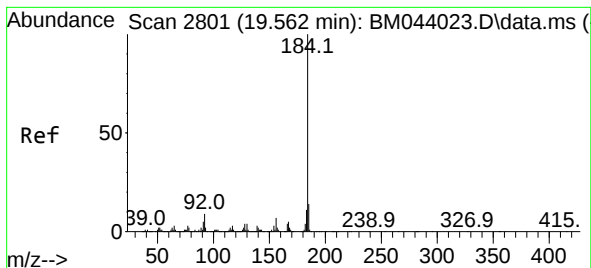
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.497 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

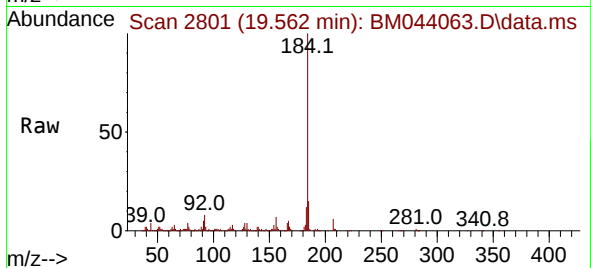
Tgt Ion:240 Resp: 2326356
Ion Ratio Lower Upper
240 100
120 13.1 10.1 15.1
236 25.9 20.6 31.0





#77
Benzidine
Concen: 10.246 ng
RT: 19.562 min Scan# 2801
Delta R.T. 0.000 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

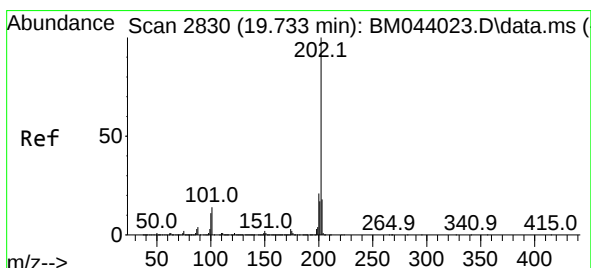
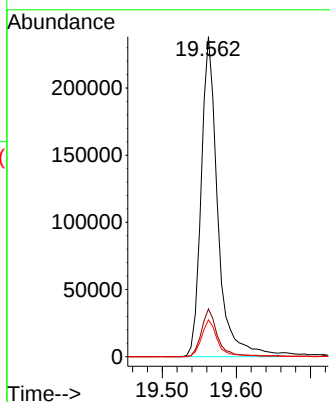
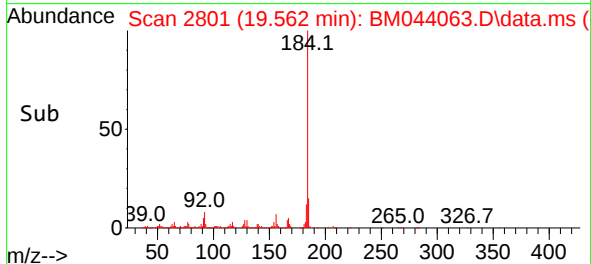
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024



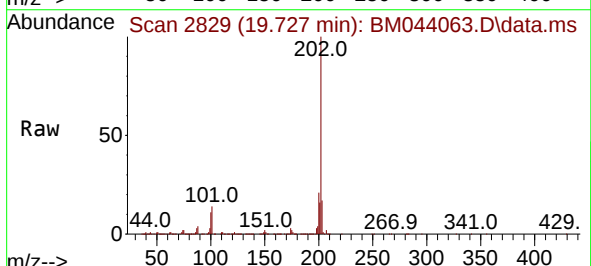
Tgt Ion:184 Resp: 37040
Ion Ratio Lower Upper
184 100
185 14.9 11.0 16.6
183 11.5 9.0 13.4

Manual Integrations
APPROVED

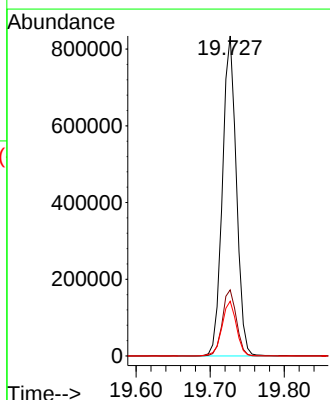
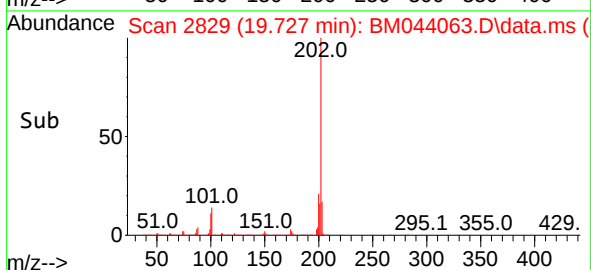
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

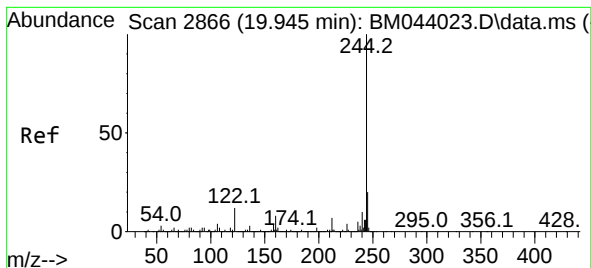


#78
Pyrene
Concen: 6.090 ng
RT: 19.727 min Scan# 2829
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55



Tgt Ion:202 Resp: 1091075
Ion Ratio Lower Upper
202 100
200 20.7 16.8 25.2
203 17.1 14.0 21.0





#79

Terphenyl-d14

Concen: 61.017 ng

RT: 19.945 min Scan# 2866

Delta R.T. 0.000 min

Lab File: BM044063.D

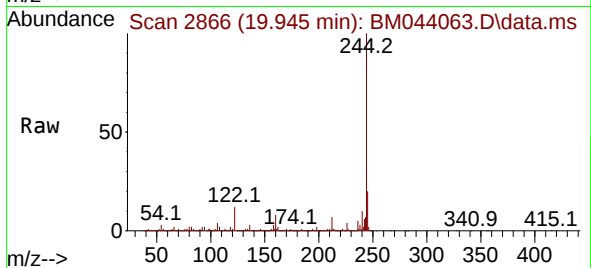
Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024



Tgt Ion:244 Resp: 809726

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

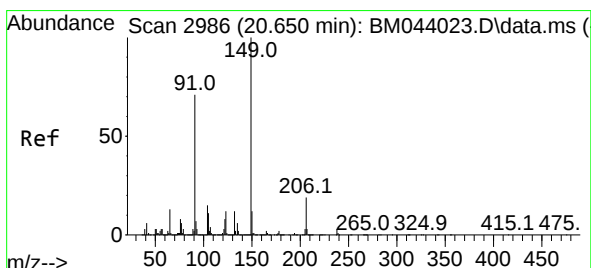
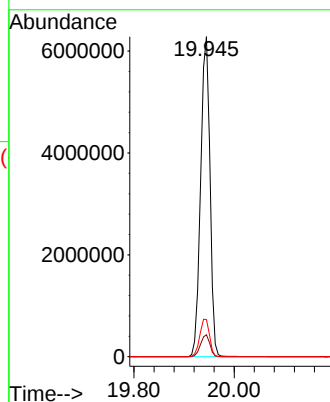
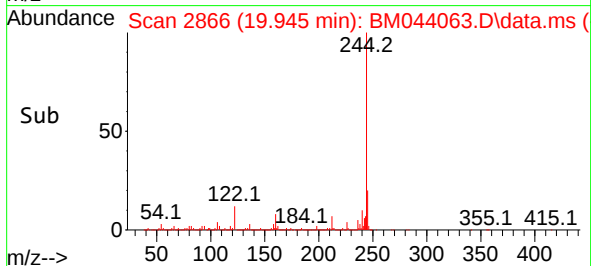
122 11.6 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#80

Butylbenzylphthalate

Concen: 5.114 ng

RT: 20.650 min Scan# 2986

Delta R.T. 0.000 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

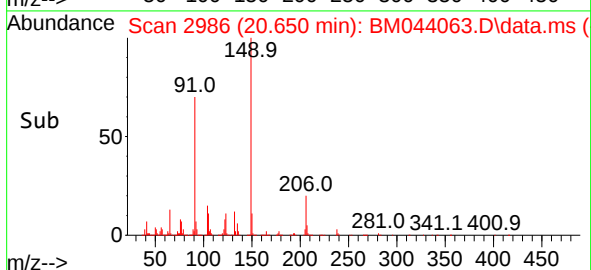
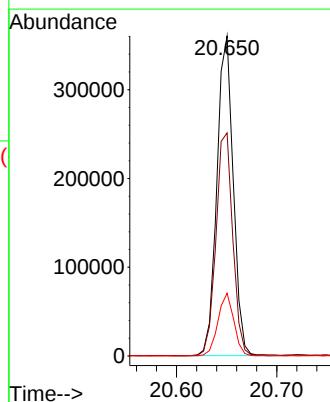
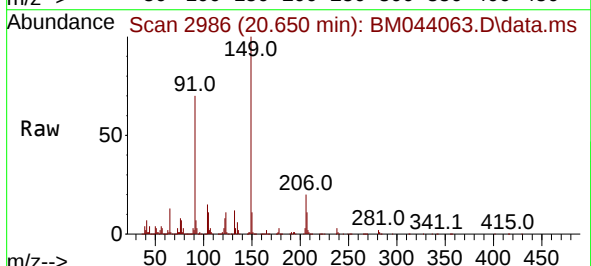
Tgt Ion:149 Resp: 407300

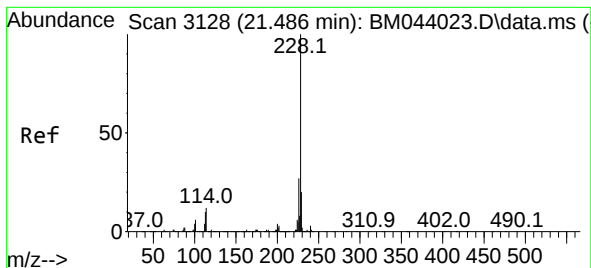
Ion Ratio Lower Upper

149 100

91 69.7 56.8 85.2

206 19.6 15.0 22.6





#81

Benzo(a)anthracene

Concen: 6.052 ng

RT: 21.486 min Scan# 3128

Delta R.T. 0.000 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

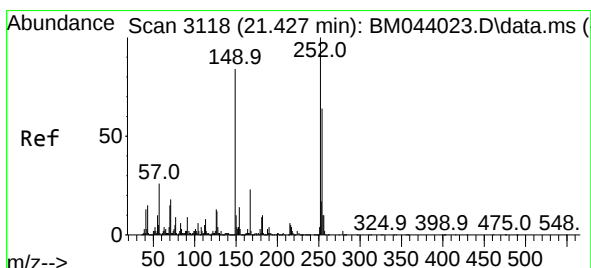
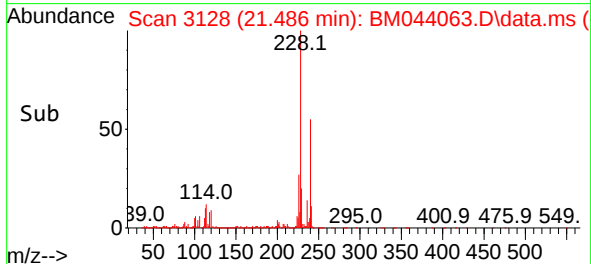
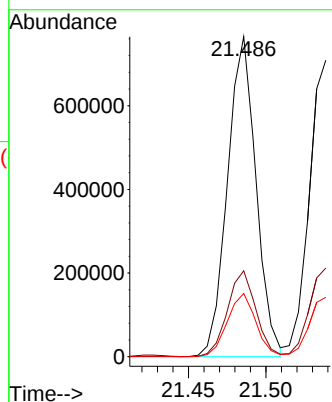
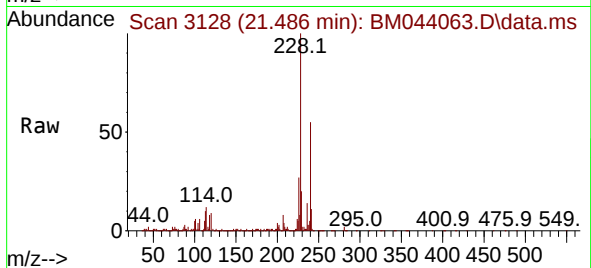
Tgt Ion:	228	Resp:	97932
Ion Ratio	Lower	Upper	
228	100		
226	26.9	21.4	32.2
229	19.8	15.9	23.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#82

3,3'-Dichlorobenzidine

Concen: 5.938 ng

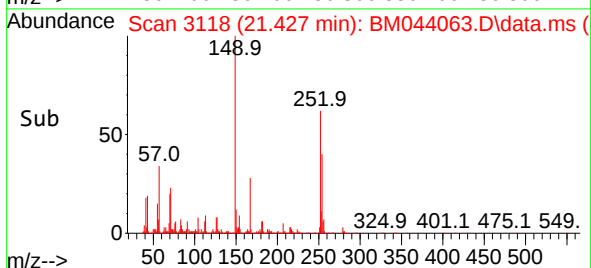
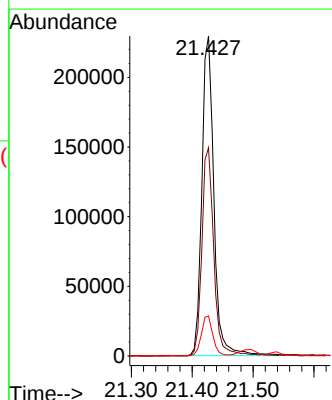
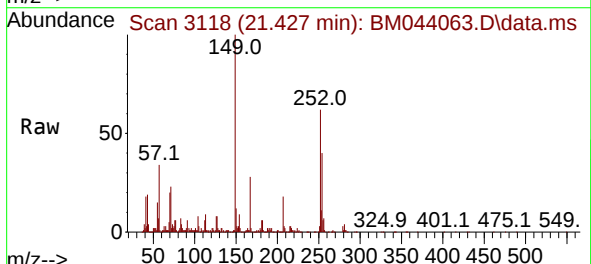
RT: 21.427 min Scan# 3118

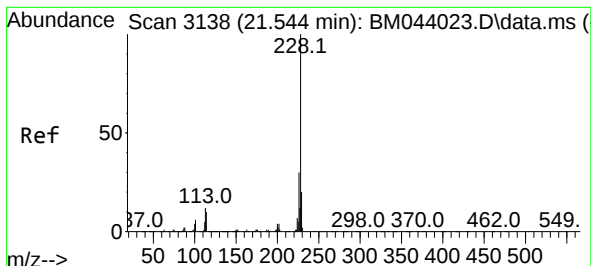
Delta R.T. 0.000 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Tgt Ion:	252	Resp:	315266
Ion Ratio	Lower	Upper	
252	100		
254	65.1	51.2	76.8
126	12.5	10.2	15.4





#83

Chrysene

Concen: 6.019 ng

RT: 21.539 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

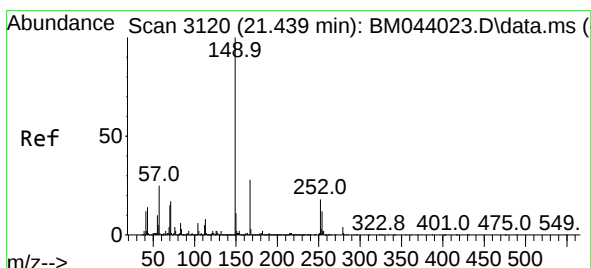
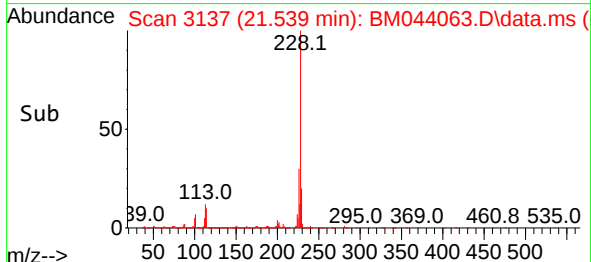
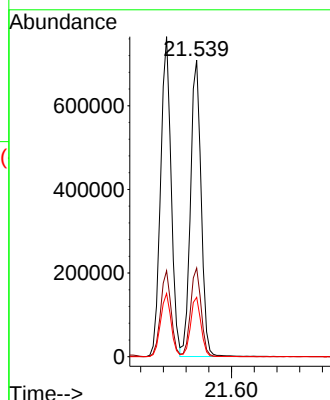
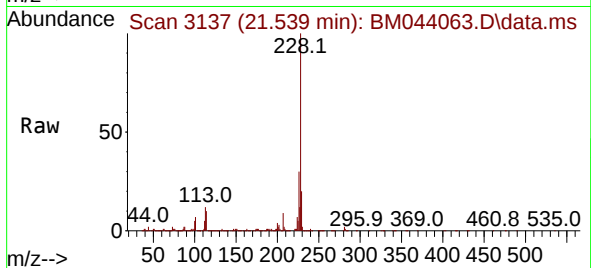
Tgt Ion:	228	Resp:	920160
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.2	36.2
229	20.0	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.304 ng

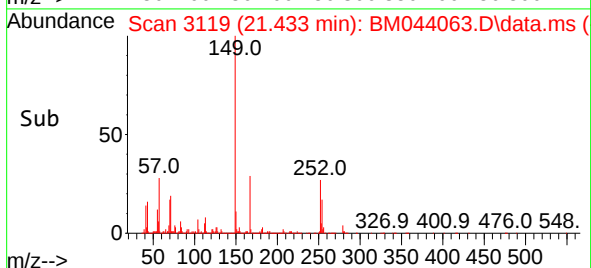
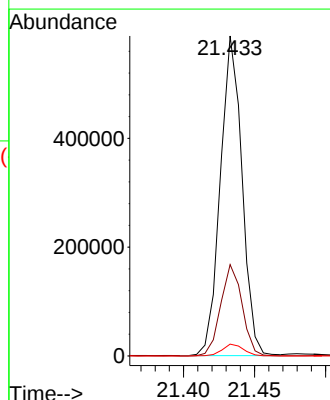
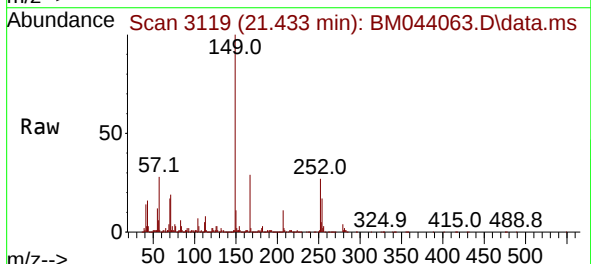
RT: 21.433 min Scan# 3119

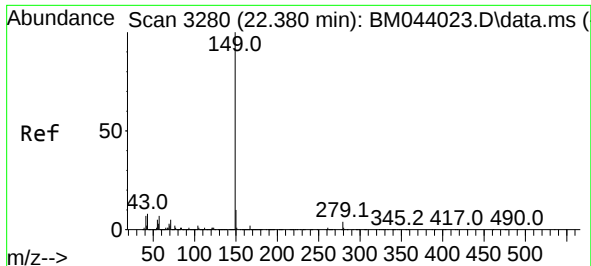
Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Tgt Ion:	149	Resp:	623242
Ion Ratio	Lower	Upper	
149	100		
167	28.5	22.6	33.8
279	3.7	3.1	4.7





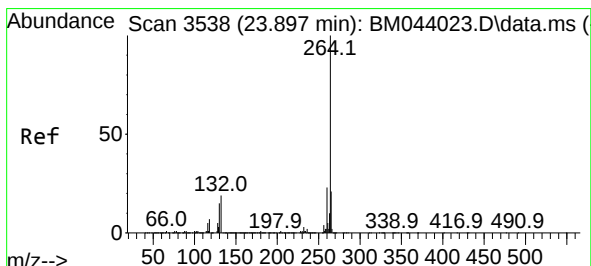
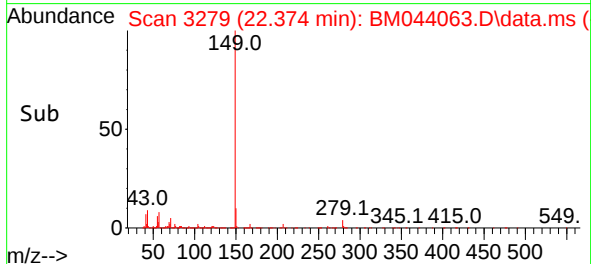
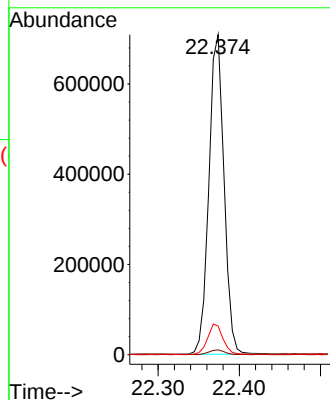
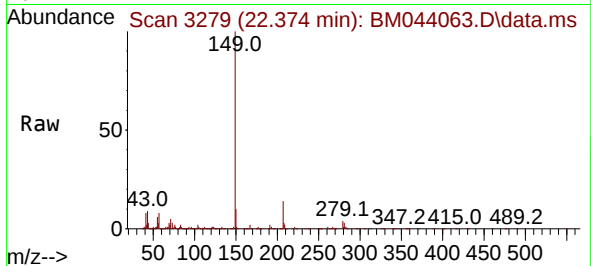
#85
Di-n-octyl phthalate
Concen: 4.456 ng
RT: 22.374 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

Tgt Ion:149 Resp: 91445
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 9.7 7.0 10.4

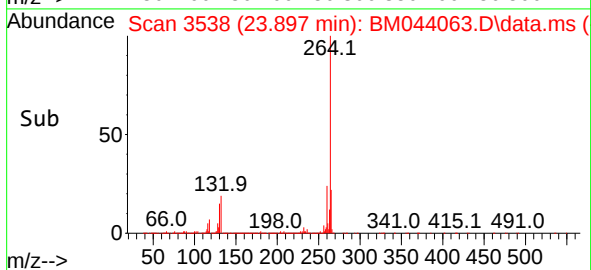
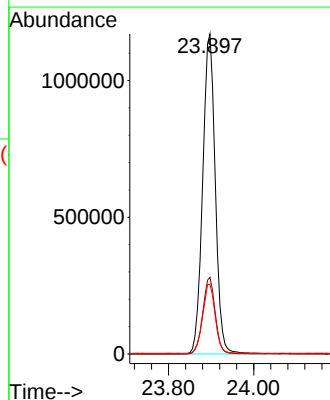
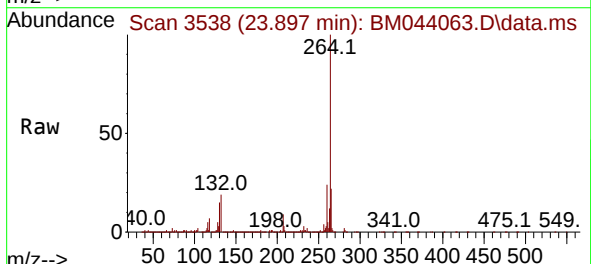
Manual Integrations
APPROVED

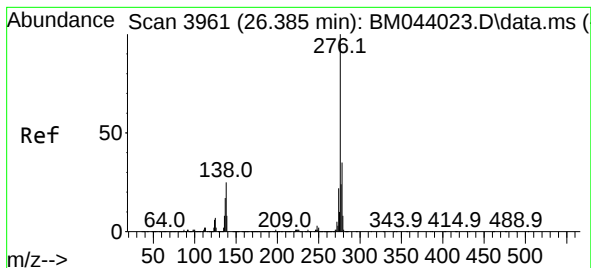
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.897 min Scan# 3538
Delta R.T. 0.000 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion:264 Resp: 2402278
Ion Ratio Lower Upper
264 100
260 24.0 18.8 28.2
265 21.8 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.508 ng

RT: 26.374 min Scan# 3959

Delta R.T. -0.012 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

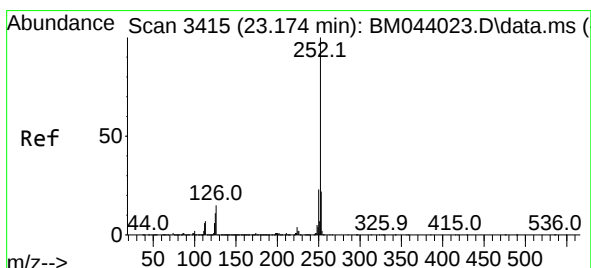
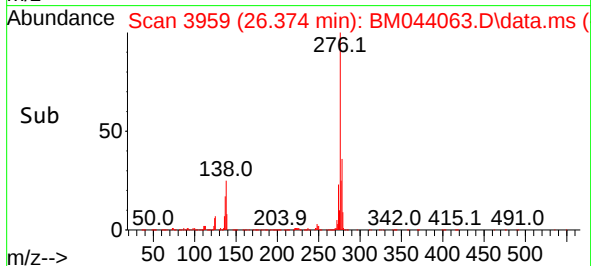
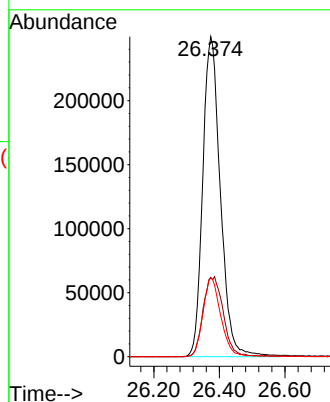
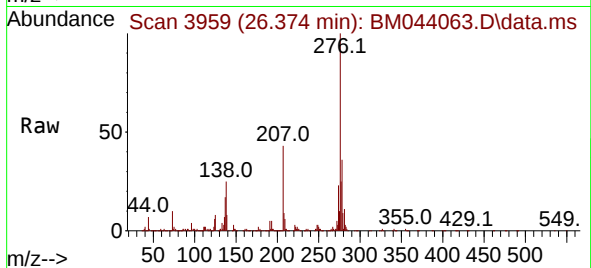
Tgt Ion:	276	Resp:	936564
Ion Ratio	Lower	Upper	
276	100		
138	28.5	22.6	34.0
277	24.8	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#88

Benzo(b)fluoranthene

Concen: 5.961 ng

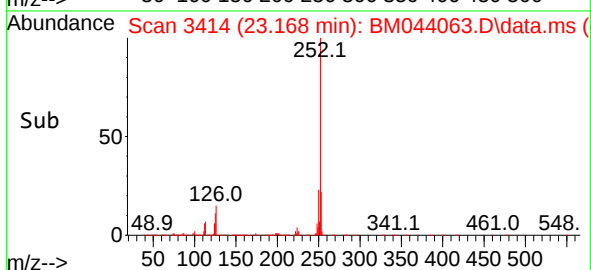
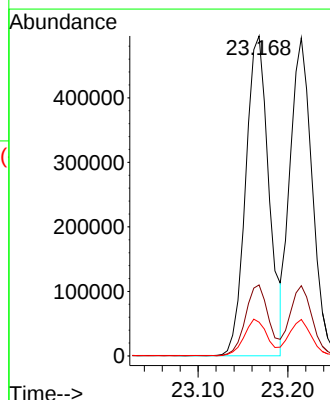
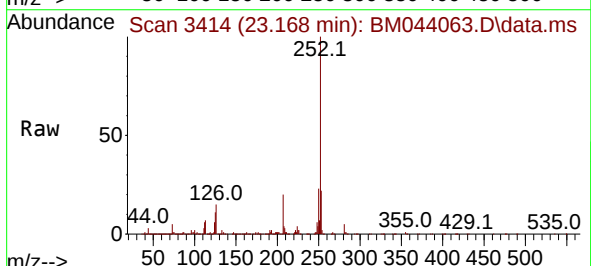
RT: 23.168 min Scan# 3414

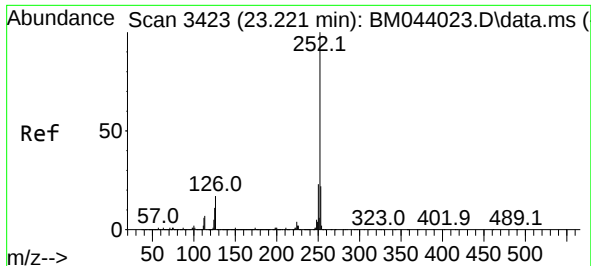
Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Tgt Ion:	252	Resp:	895116
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.6	26.4
125	10.6	8.8	13.2





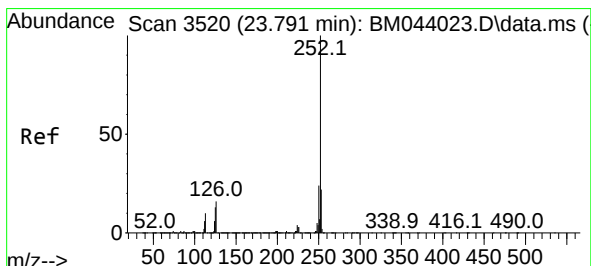
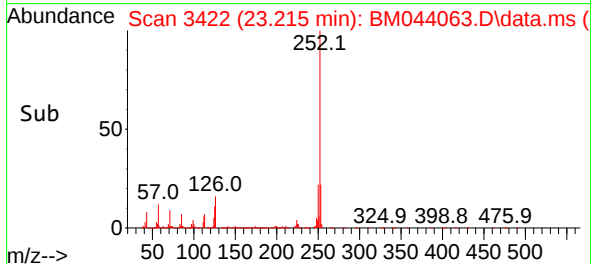
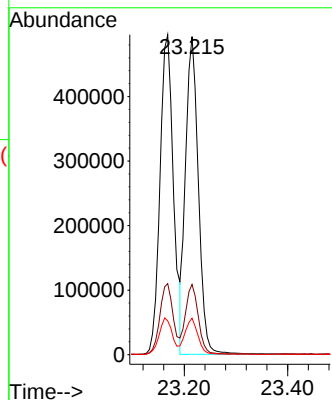
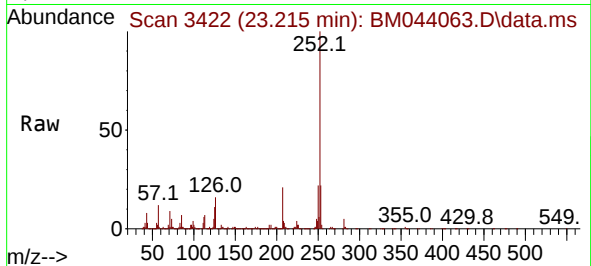
#89
Benzo(k)fluoranthene
Concen: 5.955 ng
RT: 23.215 min Scan# 3423
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

Tgt Ion:252 Resp: 84967
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 11.5 9.0 13.4

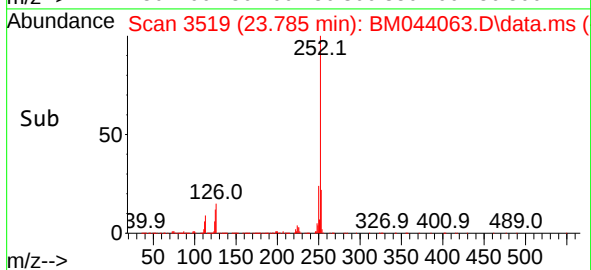
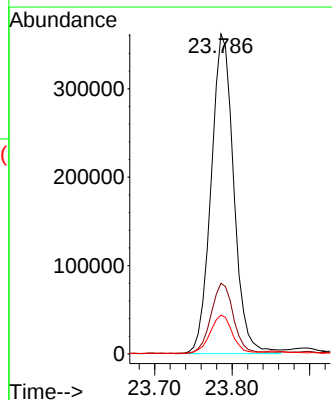
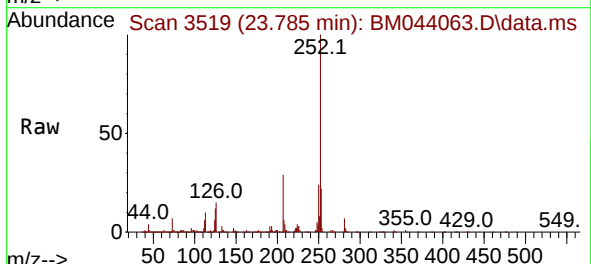
Manual Integrations
APPROVED

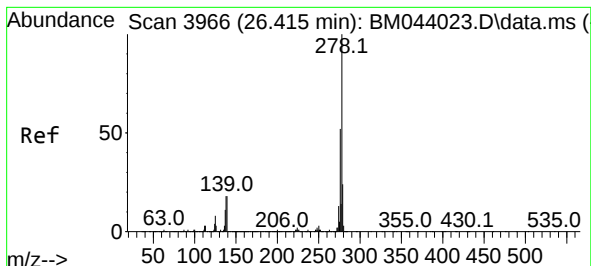
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#90
Benzo(a)pyrene
Concen: 5.597 ng
RT: 23.785 min Scan# 3519
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion:252 Resp: 734197
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 12.1 10.1 15.1





#91

Dibenzo(a,h)anthracene

Concen: 5.564 ng

RT: 26.403 min Scan# 3966

Delta R.T. -0.012 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

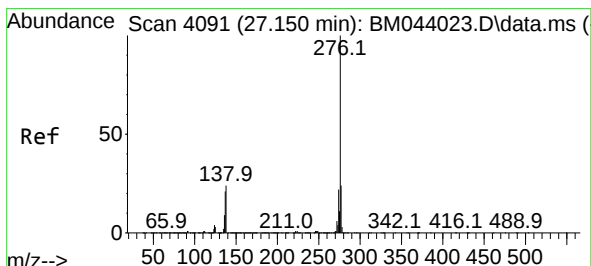
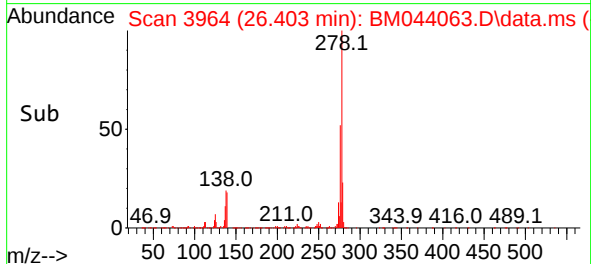
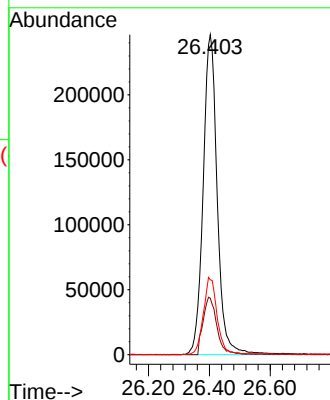
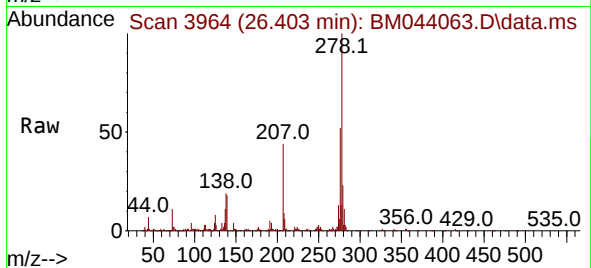
Tgt Ion:	278	Resp:	79134
Ion Ratio	Lower	Upper	
278	100		
139	17.6	14.5	21.7
279	23.4	18.9	28.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#92

Benzo(g,h,i)perylene

Concen: 5.242 ng

RT: 27.132 min Scan# 4088

Delta R.T. -0.018 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Tgt Ion:	276	Resp:	756114
Ion Ratio	Lower	Upper	
276	100		
277	23.2	19.0	28.4
138	24.5	19.1	28.7

